INDEX

Name of Work: **Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais).**

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निविदा सं० **92/EE/VBD/2026-27**
रू० **49,57,197/–** (रूपये उनचास लाख सतावन हज़ार एवं एक सौ सतानवे मात्र) है। जिसमें पृष्ठ संख्या **1 से 55** है, को अनुमोदित किया जाता है।

NIT No. **92/EE/VBD/2026-27**
Rs.49,57,197/- (Rupees Forty Nine Lakh Fifty Seven Thousand One Hundred & Ninety Seven Only) having Pages No. **1 to 55** is hereby approved.

In case there's a discrepancy between English & Hindi versions in any line of this NIT, the English version shall prevail.

सहायक अभियन्ता (सि०)(यो०),
Assistant Engineer(C)(P)
विज्ञान भवन मंडल
Vigyan Bhawan Division
कें०लो०नि०वि०, नई दिल्ली
CPWD, New Delhi

कार्यपालक अभियन्ता
Executive Engineer
विज्ञान भवन मंडल
Vigyan Bhawan Division
कें०लो०नि०वि०, नई दिल्ली
CPWD, New Delhi

ई–निविदा आमंत्रण सूचना
NOTICE INVITING e-TENDER

ई–निविदा एवं वेबसाईट पर पोस्ट किए जाने हेतु संविदाकार के लिए जानकारी एवं निर्देश

NFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e- TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

(खुली निविदाएं आमंत्रित करने के लिए लागू)
(Applicable for inviting open tenders)

The **Executive Engineer, Vigyan Bhawan, CPWD,** Room No. 01, Ground Floor, Jodhpur Hostel Block–6, Pandara Road, New Delhi-110003, **(Ph. No. 011-23022111, Email:** deleecvb.cpwd@nic.in**)** invites on behalf of the President of India online **Percentage Rate** tenders from **CPWD registered contractors enlisted in Composite Category / Buildings and Roads appropriate class** for the following work:

क्र० सं० S. No.	निविदा सं० NIT No.	कार्य का नाम व स्थान Name of work & Location	अनुमानित लागत Estimated cost puts to tender	अग्रिम धनराशि Earnest Money Deposit	कार्य पूर्ण करने की अवधी Period of completion	प्रेस नोटिस में निर्दिष्ट अनुसार बोली, ईएमडी, ई–निविदा प्रसंस्करण शुल्क और अन्य दस्तावेज़ जमा करने की अंतिम तिथि एवं समय Last date & time of submission of tender along with other documents as per NIT conditions on website	बोली खोलने का समय एवं तिथि Time & date of opening of tenders after verification of documents online
1	2	3	4	5	6	7	8
1	92/EE/VBD/2026-27	**Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais).**	Rs. 49,57,197/-	Rs. 99,144/-	60 (Sixty) Days	27.11.2026 at 03.00 PM	27.11.2026 at 3.30 PM

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document and to be posted on website.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.etender.cpwd.gov.in or www.cpwd.gov.in free of cost.

4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.

5. Those contractors, who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of https://etender.cpwd.gov.in

6. The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eMsigner on their system as per instructions available on download section ofhttps://etender.cpwd.gov.in.

7. On opening date, the contractor can login and see the bid opening proves. After opening of bids, he will receive the competitor bid sheets.

8. Contractor can upload documents in the form of JPG format and PDF format.

9. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.

   In addition to this, while selecting any of the cells a warming appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (Zero).

   However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

10. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

11. It is mandatory to fill details / upload scanned copies of all the documents as stipulated in the bid document. If such document is not uploaded his bid will become invalid and processing fee shall not be refunded.

12. If the Contractor is found ineligible after opening of bids, his bid shall become invalid.

13. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest Contractor, the bid shall become invalid.

14. As per DG Circular No. DG/Enlist. Rules-2023/10 dated 22.04.2024, the enlisted contractor will not be allowed to participate in tendering process without uploading the certificate of compulsory ERP Training.

15. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile / uploading tender can be resolved through the concerned Executive Engineer / Assistant Engineer (011-23022111, E-mail ID deleevbd.cpwd@nic.in or ERP help line no 18001803286 or E-mail ID cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

List of Documents to be scanned and uploaded within the period of bid submission:

(i) Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.

(ii) Copy of Enlistment Order of CPWD Contractor in composite category/Building and Road Category of appropriate category.

(iii) **Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, CPWD (The EMD document shall only be issued from the place in which the office of receiving division office is situated).**

(iv) GST Registration Certificate, if already obtained by the bidder. "

If the bidder has not obtained GST registration as applicable then he shall scan and upload following under taking along with other bid documents.

"If work is awarded to me, I/We shall obtain GST registration Certificate, as applicable, within one Months from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.

(v) Undertaking for site inspection: Intending bidders must upload Undertaking regarding site inspection: **"I/we have inspected and examined the site of work and it's surrounding and fully satisfy before submitting my/our bids."**

(vi) Copy of PAN Card.

(vii) The agency should upload Bank Account Details registered with his firm like Bank name, A/c Number, IFSC Code, A/c name on blank paper/firm letter head with valid email ID and Mobile No. or Bank Pass Book having details of Account.

(viii) Copy of certificate of compulsory ERP Training issued through LMS of ERP obtained by enlisted contractor either himself or his authorised representative.

(ix) Any other documents as specified in the NIT.

Note:

1) The Contract agency participating in the bid shall ensure the uploading of above mandatory documents in eligibility documents/ additional documents portal so that the same can be free viewed & examined before opening the part of their financial bid.)

2) **Apart from above, if L1 bidder withdraws the tender after opening of financial bid, the enlistment authority will be requested to debar the bidder from CPWD works for a period of one year.**

Executive Engineer
Vigyan Bhawan Division
CPWD, New Delhi

के.लो.नि.वि.– 6	CPWD-6

भारत सरकार
Government of India
कार्यालय कार्यपालक अभियंता
Central Public Works Department

CPWD-6 FOR e-TENDERING

कार्यपालक अभियंता, विज्ञान भवन मंडल, के.लो.नि.वि., कमरा नं. 01 ग्राउंड फ्लोर, जोधपुर ऑफिसर्स हॉस्टल, ब्लॉक–6, चिल्ड्रन पार्क के पास पंडारा रोड, नई दिल्ली–110003 (फोनः 011–23022227 / फैक्सः011–23022164 ई–मेलः deleecvb.cpwd@nic.in) भारत के राष्ट्रपति की ओर से निम्नलिखित कार्य के लिए भवन और सड़कों की उपयुक्त श्रेणी में सीपीडब्ल्यूडी के अनुमोदित और पात्र पंजीकृत ठेकेदारों से ऑनलाईन प्रतिशत दर निविदाऐं आमंत्रित करते हैंः–

The Executive Engineer, Vigyan Bhawan, CPWD, Room No. 01, Ground Floor, Jodhpur Officer's Hostel, Block–6, Pandara Road, New Delhi-110003, **(Ph. No. 011-23022111, Email ID: deleecvb.cpwd@nic.in)** invites on behalf of the President of India online **Percentage Rate** tenders from approved and eligible registered Contractors of CPWD in appropriate Category for the following work(s): -

Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais).

The enlistment of the contractors should be valid on the last date of submission of bid.

In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bid.

1. The work is estimated to cost **Rs. 49,57,197/-** This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD-7 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.etender.cpwd.gov.in Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **60 (Sixty) Days** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work is available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website **www.etender.cpwd.gov.in** or **www.cpwd.gov.in**free of cost.
6. After submission of the bid the bidder can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in Three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted, then the bid submitted earlier shall become invalid.
9. **Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of Executive Engineer, Vigyan Bhawan Division, CPWD) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.**

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or **Rs. 20 lac**, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e-tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, **whose original EMD deposited with any division of CPWD** and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at **03:30 PM on 27.11.2026**

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:-

(i) The bidder is found ineligible.
(ii) The bidder does not upload scanned copies of all the documents stipulated in the Bid Document.
(iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
(iv) If a tenderer does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, then the tender shall be treated as invalid and will not be considered as lowest tenderer.

11. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

12. Description of the work is as follows: **"Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais)."**

Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bids. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.

15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

18. The bid for the works shall remain open for acceptance for a period of 30 days from the date of opening of bid in case of single bid system Further

(i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(iii) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter / e-mail etc. shall not be considered. The tender inviting authority gets intimation through SMS and email in this regard.

(iv) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

19. This notice inviting bids shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of: -

a) The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

b) Standard C.P.W.D. Form-7 or other Standard C.P.W.D. Form as applicable.

20. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/Assistant Engineer (011-23022111, E-mail ID deleecvb.cpwd@nic.in or ERP help line no 18001803286 or E-mail ID cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

Note: Apart from above, if L1 bidder withdraws the tender after opening of financial bid, the enlistment authority will be requested to debar the bidder from CPWD works for a period of one year.

Executive Engineer
Vigyan Bhawan Division
CPWD, New Delhi

Information and instruction for Executive Engineers of CPWD for e-tendering

1. The Executive Engineer of all divisions of CPWD should receive the original EMD for tender of other division.
2. The NIT approving authority / EE at the time of issue of NIT shall also fill and upload the following prescribed format of receipt of deposition of original EMD along with NIT: -

Receipt of deposition of original EMD (Receipt No. ……. / date ……)
1. **Name of work:** **Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais).** 2. **NIT No. 92/EE/VBD/2026-27** 3. **Estimated Cost - Rs. 49,57,197/-** 4. **Amount of Earnest Money Deposit – Rs. 99,144/-** 5. **Last date of submission of bid – 27.11.2026**
1. Name of contractor …… ** 2. Form of EMD …….. ** 3. Amount of earnest money deposit …… ** 4. Date of submission of EMD …… ** Signature, Name and Designation of EMD receiving officer (EE/AE(P)/AE, AAO) along with official stamp

3. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt may be issued by the AE(P)/AE/AAO.
4. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/telephonically.
5. The original EMD receiving Executive Engineer shall release the EMD after verification from the e-tendering portal website (https://etender.cpwd.gov.in/tenderAwardedDetails.html# search>awarded tenders) that the particular contractor is not L-1 bidder and work is awarded.
6. The bid inviting Executive Engineer will call for original EMD of the L-1 bidder from EMD receiving Executive Engineer immediately.

* (to be filled in by EE issuing NIT)
** (to be filled in by EMD receiving EE)

Signature, Name and Designation of EMD
Receiving officer (EE/AE(P)/AE/AAO)
Along-with Office stamp
(#to be filled by EMD receiving EE)

के.लो.नि.वि.–7	CPWD-7

भारत सरकार GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग CENTRAL PUBLIC WORKS DEPARTMENT

राज्य STATE :	**New Delhi**	परिमंडल CIRCLE:	**VB**
शाखा BRANCH :	**C & M**	मंडल DIVISION:	**VBD**
अंचल ZONE :	**ADG (Delhi)**	उपमंडल SUB-DIVISION:	**IV**

कार्यो के लिए मद दर निविदा एवं संविदा
Percentage Rate Bid & Contract for Works

अ) **कार्य के लिए प्रतिशत दर निविदा : Percentage Bid for the work of:**

Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais).

ब) क) निविदा दिनांक **27-11-2026** को **3.00 बजे** तक ऑनलाईन वेबसाईट **https://etender.cpwd.gov.in/** पर अपलोड की जानी है।
To be uploaded upto **3.00 PM** hours on **27-11-2026** to **on website i.e. https://etender.cpwd.gov.in/**

ख) उन निविदाकारों के समक्ष खोली जांएगी जो दिनांक **27-11-2026** को **3.30 बजे** **कार्यपालक अभियन्ता, विज्ञान भवन मण्डल, के.लो.नि.वि., कक्ष सं० 01, जोधपुर अधिकारी हॉस्टल, ब्लॉक–6, नई दिल्ली** के कार्यालय में उपस्थित रहेगे।
To be opened in presence of bidders who may be present at **3.30 PM** hours on **27-11-2026** in the office of **EE, Vigyan Bhawan Division, CPWD, Room No.01, Jodhpur Officer's Hostel, Block-6, New Delhi.**

Tender submitted by Agency ……..

निविदा T E N D E R

मैंने/हमने कार्य के लिए ई–निविदा आमंत्रण सूचना, अनुसूची क,ख,ग,घ,ड. और च लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, ठेके के उपबंध, विशिष्ट शर्ते, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तो में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।
I/We have read and examined the notice inviting e-tender, schedule, A,B,C,D,E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clause of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender documents for the work.

मै/हम, एतत् द्वारा भारत के राष्ट्रपति के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा–मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम–1 और ठेके की शर्तो के खंड–11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती है और उसके संबंध में, ऐसी शर्ते जो लागू हो, के अनुरूप निष्पादन हेतु निविदा देता हूं/देते हैं ।
I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

मैं/हम निविदा को, इसके खोले जाने की निर्धारित तारिख से **30 तीस** दिन के लिए खुला रखने तथा इसकी शर्तो एवं निबंधनों में किसी प्रकार का परिवर्तन न करने के लिए सहमत हैं।
I / We agree to keep the tender open for **Thirty (30) days** from the due date of its opening and not to make any modifications in its terms and conditions.

रु० 99,144/– की धनराशि, धरोहर राशि के रुप में नकद/ट्रेजरी चालान रसीद/अनुसूचित बैंक की मॉग जमा रसीद/अनुसूचित बैंक की सावधी जमा रसीद/ अनुसूचित बैंक के डिमांड ड्राफट/अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रुप में एतद् द्वारा अग्रेषित की जाती है। यदि मैं/हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते है तो मै/हम यह मंजूर करते है कि भारत के उक्त राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी किसी अन्य अधिकारी या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिये पूर्णतया स्वतंत्र होगें। इसके अलावा यदि मैं/हम विनिर्दिष्ट कार्य प्रारभं करने में असफल रहते हैं तो मै/हम यह मंजूर करते हैं कि भारत के राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिये पूर्णतया स्वतंत्र होगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहीत शर्तो व निबंधनो के अनुसार कार्यो के निष्पादन एवं आदिष्ट विचलनों को अनुसुचि 'च' में वर्णित प्रतिशत से अनधिक व निविदा प्रपत्र के खंडो 12.2 व 12.3 में निहीत प्रावधानों के अनुसार निश्चित की जाने वाली दरों पर उस सीमा से अधिक के विचलनों के करने के लिये उनके द्वारा प्रतिभुत – निक्षेप के रूप मे रोक ली जाऐंगी।

If after the opening of tender, l/we withdraw or modify my/our bid during the period of validity of tender (including extended validity of tender) specified in the tender documents,

or

If, after the award of work, l/we fail to sign the contract, or to submit performance guarantee before the deadline defined in the tender documents,

l/we shall be suspended for one year and shall not be eligible to bid for CPWD tenders from date of issue of suspension order.

A sum of **Rs.99,144/-** is here by forwarded in Receipt Treasury Challan /Deposit at call Receipt of a Scheduled Bank /fixed deposit receipt of schedule bank/demand draft of a Scheduled bank/Bank Guarantee issued by a schedule bank, as earnest money. Further, if I/We fail to commence work as specified, I/We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said the performance guarantee absolutely. The said performance guarantee shall be a guarantee to execute all the works referred in the tendered documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rate to be determined in accordance with the provision contained in clause 12.2 and 12.3 of the tender form.

इसके अतिरिक्त मैं/हम सहमत हैं कि बयाना राशि तथा उपर्युक्त निष्पादन गांरटी जब्त हो जाने के मामले में मुझें/हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

Further, I/ We agree that in case of forfeiture of Performance Guarantee as aforesaid, I/ We shall be debarred for participation in the re-tendering process of the work.

"I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred from tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-charge shall be free to forfeit the entire amount of Performance Guarantee".

I/We hereby declare that I/We shall treat the bid documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

तारीख Dated #.....

ठेकेदार के हस्ताक्षर Signature of Contractor#

साक्षी Witness : #

डाक पता Postal Address#

पता Address: #

उपजीविका Occupation : #

To be filled by the contractor

<u>स्वीकृति</u> ACCEPTANCE

मै भारत के राष्ट्रपति की ओर से तथा उनके लिए :- ---------- (रूपए ----------

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----------) की राशि के लिए उपर्युक्त निविदा (आपके अधोलिखित पत्रों के अनुसार परिवर्तित) को स्वीकार करता हूं।

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. _____
(Rupees_____)

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगेः–
The letters referred to below shall form part of this contract Agreement:-
I)
ii)
iii)

भारत के राष्ट्रपति की ओर से तथा उनके लिए
For & on behalf of the President of India.

हस्ताक्षर Signature .....
पदनाम Designation .....

तारीख Dated .....

अनुसूचियों के प्रारुप / PROFORMA OF SCHEDULES

कार्यों की अनुसूचियां / SCHEDULES FOR WORK

अनुसूची 'क' SCHEDULE 'A'		:	
	मात्राओं की अनुसूची (संलग्न) Schedule of quantities (Enclosed)	:	As attached herewith

अनुसूची 'ख' SCHEDULE 'B'					
	ठेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची Supply Of Material to Be Issued to the Contractor				
	क्रम. सं. Sl. No	मद विवरण Description of Item	मात्रा Quantity	जिस दर पर सामग्रियां ठेकेदार का प्रभावित होगी वह दर अंकों एवं शब्दों में Rate in Figures & Word at which the material will be charged to the contractor	निर्गत स्थान Place of issue
	N/A				

अनुसूची'घ' SCHEDULE 'D'			
	कार्य के लिए विशेष अपेक्षाएं / दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची Extra schedule for specific requirements / documents for the work, if any.	:	**As per – NIT, General Conditions, Special Conditions for Civil works Additional Conditions, Minimum Quality Assurance Plan, Special Condition for cement & paint, Particular's Specifications etc.**

अनुसूची 'ड' SCHEDULE 'E'			
1	ठेके की सामान्य शर्तों का संदर्भ Reference to General Conditions of contract.	:	***General Conditions of Contract for maintenance Works – 2023 with upto date correction slip issued upto the previous day to last date of submission of the tender.***
(i)	**कार्य का नामः** **Name of Work:** **Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais).**		
(ii)	कार्य की अनुमानित लागत Estimated cost of work:	:	**Rs. 49,57,197/-**
(iii)	धरोहर राषि Earnest money:	:	***Rs. 99,144/-***
(iv)	निष्पादन गारंटी Performance Guarantee :	:	***a) 5% of Tendered Value or Estimated Cost Put to Tender (ECPT) (whichever is higher).*** ***b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.***
(v)	प्रतिभूति निक्षेप: Security Deposit:		***2.5% of Tendered Value***

अनुसूची 'च' SCHEDULE 'F'			
सामान्य नियम एवं दिशा निर्देश: General Rules & Directions.			
	निवदा आमंत्रण करने वाला प्राधिकारी Officer inviting tender	:	***Executive Engineer (C) VBD, CPWD, New Delhi or his successor thereof***
परिभाषायें:—Definitions:			
2(v)	भार साधक इंजीनियर Engineer-in-Charge	:	***Executive Engineer (C) VBD, CPWD, New Delhi or his successor thereof***
2(viii)	स्वीकार कर्ता प्राधिकारी Accepting Authority	:	***Executive Engineer (C) VBD, CPWD, New Delhi or his successor thereof***
2(x)	अतिरिक्त और लाभों को पूरा करने के लिए सामग्रियों की लागत पर प्रतिशत Percentage on cost of materials and labour to cover all overheads and profits.	:	***15%***
2(xi)	दरों की मानक अनुसूची Standard Schedule of Rates	:	**DSR 2023 with correction slips upto previous day of the last date of submission of bid & Market Rate.**
2(xii)	विभाग Department	:	***Central Public Works Department***
9(ii)	मनक के.लो.नि.वि. ठेका फार्म, संशोधित और शोधित के.लो.नि.वि. फार्म Standard CPWD contract form	:	***CPWD form 7, GCC 2023 (Maint. Work) as modified and corrected upto the previous day to last date of submission of the tender.***

खण्ड–1 Clause 1			
(i)	स्वीकृती पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुती करण के लिये अनुमत समय, दिनो में Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days	:	***04 Days***
(ii)	(उर्पयुक्त i) में दी गई अवधि के पश्चात अधिकतम अनुमेय एक्सटेंशन, दिनो में Maximum allowable extension with late fee @ 0.1% per day of performance guarantee amount beyond the period provided in (i) above	:	**03 Day** (On written request of Contractor stating the reason of delay in procuring performance guarantee to the satisfaction of Engineer-in-Charge).

खण्ड–2 Clause 2			
	खण्ड–2 के तहत प्रतिकर निश्चित करने वाला प्राधिकारी Authority for fixing compensation under Clause 2	:	***Superintending Engineer Vigyan Bhawan***
खण्ड–2ए Clause 2A			
	क्या खण्ड 2। क लागू होगा। Whether Clause 2A shall be applicable	:	***No***

खण्ड–5 Clause 5			
	कार्य आरम्भ करने की तारीख की गणना के लिए स्वीकृति पत्र जारी होने की तारीख से दिनों की संख्या Number of days from the date of issue of letter of acceptance for reckoning date of start	:	***7 Days Or date of handing over of site whichever is later.***

लक्ष्य मील–पत्थर। सारणी	:	लक्ष्य नीचे दी गई सारणी अनुसार
List of Milestones	:	**As per Table given below**

Milestone(s) as per table given below : **Applicable**

क0सं0 S.No.	लक्ष्य का विवरण (वास्तविक) Description of Mile Stone (Physical)	अनुमत्य समय/कार्य आरभं की तारीख से/ Time allowed (from date of start)	लक्ष्य प्राप्त ना होने की स्थिती मे रोकी जाने वाली राशि Amount to be withheld in case of non achievement of milestone
1	Design of FRP Panels along with MS framing as per the specified loading conditions, specifications & submission of drawing.	Within 3 days of date of start	1.00 % of Tendered Amount
2	Making sample & approval.	Within 9 days	1.00 % of Tendered Amount
3.	Fabrication of FRP Panels along with MS framing.	Within 40 days	2.00 % of Tendered Amount
4.	Placing of FRP Panels along with MS framing at specified location in the lawn of Kartavya Path area i.e. 22.01.2027.	Within 55 days	0.50 % of Tendered Amount
5.	Removal of the FRP panels along with MS framing from the lawn of Kartavya Path area and cartage back to CPWD RDC Store, Mehrauli.	Within 60 days	0.50 % of Tendered Amount

कार्य निष्पादित करने के लिए अनुमत्य समय Time allowed for execution of work	:	***60 (Sixty) Days***

निर्णायक प्राधिकारी Authority to Decide :			
i.	कार्य पूरा करने के लिए उचित और तार्किक समय विस्तार देने वाला प्राधिकारी Authority to convey the decision of shifting of milestone and extension of time	:	***Executive Engineer (C) VBD, CPWD, New Delhi or his successor thereof***
ii.	उपलब्धियों का पुनः अनुसूचिकरण करने वाला प्राधिकारी Authority to decide rescheduling of milestone and extension of time	:	***Superintending Engineer Vigyan Bhawan, CPWD, New Delhi or his successor thereof***
iii.	कार्यस्थल को देरी से सौंपने पर कार्य प्रारम्भ की तिथि परिवर्तन करने वाला प्राधिकारी Shifting of data of start in case of delay in handling over of site	:	***Superintending Engineer Vigyan Bhawan, CPWD, New Delhi or his successor thereof***
खण्ड–5 Clause 5			
Clause applicable – (5 or 5A)		:	***Clause 5***

Proforma of Schedule Clause 5 Schedule of handing over of site

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	All	As and when required
Part B	Portions with in cumbrances	Nil	N.A.
Part C	Portions dependent on work of other agencies	Nil	N.A.

खण्ड–6 **Clause6**	
Computerized Measurement Book (CMB)/Electronic Measurement Book (EMB)	**EMB (Electronic Measurement Book) or as per decision of Engineer-in-Charge.**
Mode of measurements	**b) Measurement to be recorded either by contractor or jointly by department and contractor.**

खण्ड–7 **Clause7**	
अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य Gross work to be done together with net Payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	***As per decision of Engineer-in-Charge Or His successor, shall be final & binding on the both the parties.***

खण्ड–7ए	
Clause 7A (Modified)	
Whether Clause 7A shall be applicable.	Yes No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable is submitted by the contractor to the Engineer-in-charge.

खण्ड–8 **Clause8**	
The competent authority to inspect and issue of completion certificate	Executive Engineer(C), VBD, CPWD or his successor thereof.

खण्ड–10(क) Clause10A	**Not Applicable**
खण्ड–10(ख) (ii) **Clause10B(ii)**	
क्या खण्ड 10(ख) **(ii) लागू होगा।** Whether Clause10B (ii) shall be applicable	Not Applicable
खण्ड–10(ग) **Clause10C**	
श्रम घटक को कार्य के मूल्य के प्रतिषत के रूप में अभिव्युक्त किया गया है। Whether Clause 10C shall be applicable	***Yes***
Component of material / labour expressed as percent of value of work of respective discipline for Cost of work for which escalation.	**25%**
खण्ड–10(ग)(ग) **Clause10CC**	**N/A**
उन संविदाओ पर लागु होगा जिसमें कार्य समापन की अवधि, अगले कालम में दर्शायी गई अवधि से अधिक अनुबंधित हैं। Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column.	Not Applicable
मूल्यवृद्धि के लिए अन्य सामग्री, श्रम, पी.ओ.एल आदि के घटकों की अनुसूची। Schedule of component of other Materials, Labour, POL etc. for price escalation. निर्माण कार्य सामग्री के लिए सिविल घटक (खंड 10 ग के अन्तर्गत शामिल सामग्रियों को छोड़कर)/वैधुत कार्य में कुल मूल्य के प्रतिषत के रूप में प्रदर्षित	

खण्ड– 11 **Clause11**	
कार्य निष्पादन के लिए अनुपालन किए जाने वाले विनिर्देश Specifications to be followed for execution of work	**The work shall be carried out as per CPWD Specification 2019 Vol-I & II with upto date correction slips.**

खण्ड– 12 **Clause12**	**The completion cost shall in no case exceed 1.5 times the contract amount**	
Authority to decide deviation of contract amount	Upto1.25 times the contract amount	Executive Engineer(C),VBD, CPWD or his successor
	Beyond1.25 times upto1.50 times of contract amount	Superintending Engineer, Vigyan Bhawan, CPWD or his successor

Type of work	**Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais).**
The completion cost shall, in no case exceed 1.5 times the contract amount. Contractor will devise a system to keep a watch on quantum of work taken up vis-à-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in–charge before taking up extra items(s), deviations(s) so that completion cost done not exceed above limit. Work executed beyond above limit with neither be recorded nor be paid. The Contractor will not have any claim(s) whatsoever on this amount.	

खण्ड–16 **Clause16**	
घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी Competent Authority for deciding reduced rates.	***Superintending Engineer, Vigyan Bhawan for 5% of contract Value.*** ***ADG (RD), beyond 5% of contract Value.***

खण्ड–18 **Clause 18**		
कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य मशीनरी, औजार एवं सयंत्रों की सूची: List of mandatory machinery, tools & plants to be deployed by the contractor at site:	:	***As specified in NIT***

खण्ड–19 **Clause19**	
Authority to decide penalty for each default	
Clause 19C	Executive Engineer (C), Vigyan Bhawan Division, CPWD or his successor
Clause 19D	Executive Engineer (C), Vigyan Bhawan Division, CPWD or his successor
Clause 19G	Executive Engineer (C), Vigyan Bhawan Division, CPWD or his successor
Clause 19K	Executive Engineer (C), Vigyan Bhawan Division, CPWD or his successor

खण्ड–25 **Clause 25**		
S.No.	**Designations**	
1	**Conciliator**	**ADG (Delhi)**
2	**Arbitrator Appointing Authority**	**SE, Vigyan Bhawan**
3	**Place of Arbitration**	**New Delhi**

खण्ड–32 Clause 32					
Requirement of Technical Representative(s) and Recovery Rate General Guidelines for fixing requirement for Technical Staff for a work				Applicable	
Cost of Work (Rs. In Crores)	Requirement of Technical Staff		Minimum Experience (year)	Designation	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32
	Qualification	No.			
More than 15 Lac to 1.5 Crore	Graduate Engineer Or Diploma Engineer	1 Or 1	2 Or 5	Site / Planning / Quality / Billing Engineer	15,000/- P.M., Per person

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10 years' relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to condition that such diploma should not exceed of 50% of requirement of degree engineers.

Clause 38

(i) (a) Schedule/Statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023..... printed by C.P.W.D.

(ii) Variations permissible on theoretical quantities:

(a) Cement

For works with estimated cost put to tender not more than Rs. 25 lakh. ..... **3% plus/minus.**

For works with estimated cost put to tender more than Rs.25 lakh. ..... **2% plus/minus.**

(b) Bitumen All Works ..... **2.5% plus only & nil o**
..... **minus side**

(c) Steel Reinforcement and structural steel sections for each diameter, section and category ..... **2% plus/minus**

(d) All other materials. ..... **Nil**

Executive Engineer
Vigyan Bhawan Division
CPWD, New Delhi

Appendix-XX

REGISTER OF MATERIAL AT SITE (MAS)

1. Division/Sub-division ----------
2. Name of Work ----------

3. Name of Article/item ----------
4. Estimated Requirements ----------

S. No.	Date of receipts (Details of challans/Bills, Specific location where plants and Materials received/Vehicle No.	Received from/issued to	Quantity Received	Date of issue	Specific location where plants & Materials Displayed /Delivered/issued	Quantity issued	Balance Quantity	Signature of authorized representative of contractor	Signature of authorized representative of Engineer-in-Charge/AE/EE/	Remarks
1	2	3	4	5	6	7	8	9	10	11

GENERAL CONDITIONS

1. The work in general shall be executed as per the description of the items, special conditions, provisions of this tender document and the CPWD Specifications 2019 Vol-I & II with correction slip and manufacture specification additional / Particular Specifications, Architectural / structural drawings and as per instructions of Engineer-in-Charge.

2. The order of preference in case of any discrepancy as indicated under "Conditions of Contract" given in the Standard CPWD Contract form may be read as the following:

   a) Nomenclature of item as per Schedule of Quantities.
   b) Special condition for **RDC-2027**.
   c) General conditions.
   d) Additional conditions.
   e) Contract Clauses of Standard CPWD Contract form 2023.
   f) CPWD Specifications for civil work.
   g) Architectural/structural drawings and specifications mentioned in drawings.
   h) Indian Standard Specifications of BIS.
   i) Sound engineering practice as per directions of the Engineer-in-Charge.
   j) Manufacturers' specifications.

   A reference made to any Indian Standard Specifications in these documents, shall imply reference to the latest version of that Standard, including such revisions/ amendments as issued by the Bureau of Indian Standards upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.

3. The contractor(s) shall give to the Municipality, police and other authorities all necessary notices etc. that may be required by law and obtain all requisite licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be liveable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain lights either for illumination or for cautioning the public at night. The contractor(s) shall do the barricading upto 3 m height enclosing the area as per direction of Engineer-in-charge.

4. The Contractor(s) shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night, speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused to existing/new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work. In case of any accident of labours / contractor(s) staff the entire responsibility will rest on the part of the contractor and any compensation under such circumstances if becomes payable the same shall be entirely born by the contractor and department shall have no role on this account.

5. The Contractor(s) shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other construction activities to be carried out. The stacking shall take place as per stacking plan however, if any change is required, the same shall be done with the approval of Engineer-in-Charge.

6. Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should conform to bye-laws of municipal body/corporation, where CPWD specifications are not available. The Contractor (s) should engage approved, licensed plumbers for the work and get the materials (fixtures/fittings) tested, by the municipal Body/Corporation authorities wherever required at his own cost. The Contractor(s) shall submit for the approval of the Engineer-in-Charge, the name of the plumbing Agency proposed to be engaged by him.

7. The contractor shall give performance test of the entire installation(s) as per the specifications in the presence of the Engineer-in-charge or his authorized representative before the work is finally accepted and nothing extra what-so-ever shall be payable to the contractor for the test.

8. Any cement slurry added over base surface (or) for continuation of concerting for better bond is deemed to have been built in the items and nothing extra be payable (or) extra cement considered in consumption on this account.

9. The department shall not bear responsibility for lack of knowledge of site condition and also the consequences thereof. The information and site data shown in the drawings and mentioned herein and also elsewhere in the tender documents are being furnished for general information and guidance only. The Engineer-in-charge in no case shall be held responsible for the accuracy thereof or any interpretation / or conclusions drawn there from by the contractor.

10. The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed, so as not to interfere with the operations of other contractor simultaneously working or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

11. The work shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time, by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available there from is complete and unambiguous. The discrepancy, if any, shall be brought to notice of Engineer-in-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information.

12. The contractor shall leave such recesses, holes, openings etc. as may be required for the electric, air-conditioning and other related works (for which inserts, sleeves, brackets, conduits, base plates, clamps etc. shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at the time of casting of concrete, stone work & brick work etc., if required, and nothing extra shall be payable on this account.

13. No payment shall be made for any damage caused by rain, snowfall, flood or any other natural calamity, whatsoever during the execution of the work. The contractor shall be fully responsible for any damage to the Govt. property and work for which the payment has been advanced to him under the contract and he shall make good the same at his risk and cost.

14. Any discrepancy in the drawing /nomenclature of item /additional specification etc. shall be got clarified from Engineer in Charge. Decision of Engineer in Charge shall be final and binding on the agency.

15. The work is to be carried out in more than one shift or during night, no claim on this account shall be entertained. The contractor has to take permission from the police authorities etc. if required for work during night hours, no claim/hindrance on this account shall be considered if work is not allowed during night time.

16. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. In case the same are to be removed and diverted. The same shall be payable to the contractor. The contractor shall work out the cost and the same shall be approved by Engineer-in-Charge. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.

17. The Contractor shall be responsible for the watch and ward / guard of the buildings safety, fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.

18. Sample of building materials, paints, distemper, fittings and other articles required for execution of work shall be got approved from the Engineer-in-Charge before use in the work. The quality of samples brought by the contractor shall be judged by standards laid down in the relevant BIS specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work.

19. BIS marked materials except otherwise specified shall be subjected to quality test at the discretion of the Engineer-in-Charge besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the contractor shall, if required, by the Engineer-in-Charge, furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material / procured by the contractor for incorporation in the work satisfies the provisions of specifications / BIS codes relevant to the material and / or the work done.

20. The contractor shall be fully responsible for the safe custody of materials brought by him / issued to him even though the materials may be under double lock and key system.

21. The contractor shall procure the required materials in advance so that there is sufficient time to testing of the materials and clearance of the same before use in the work. The contractor shall provide at his own cost suitable weighing and measuring arrangements at site for checking the weight / dimensions as may be necessary for execution of work. The sealed samples are to be handed over to the testing lab by contractor in the presence of Junior Engineer-in-charge of work.

22. The work is to be carried out in a restricted area. It shall be deemed that the contractor has satisfied himself as to the nature and location of the work, general and local conditions and particularly those pertaining to transport, including the restrictions on plying trucks etc. The department may provide all assistance by way of reasonable recommendations, in obtaining permits for plying trucks etc. from the concerned traffic authorities but bears no responsibility for the same. It shall be assumed that the contractor has also satisfied himself about, handling, availability and storage of materials, availability of labour, weather conditions at site and general ground level and the contractor has estimated and calculated his cost accordingly.

23. The tenderer shall study carefully, the building drawings, specifications, schedule of quantities and conditions of the tender documents to fully appreciate the scope of work before quoting his rates.

24. The building work shall be carried out in the manner complying in all respects with the requirements of relevant bye-laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra shall be paid on this account.

25. The contractor shall ensure the stability of the excavation so that the surrounding ground and all adjoining structures and plants will be safe against settlement, subsidence, and damage and that there is no risk of injury to personnel.

26. The contractor shall not stack building material/malba on the NDMC land or road or on the land owned by any other authority, as the case may be. In case, the Contractor is found stacking the building material/malba as stated above, he shall be liable to pay the stacking charges as may be levied by NDMC or any other local body or authority and also to face penal action as per the rules, regulations and bye-laws of the said body or authority. The Engineer-in-Charge shall be at liberty to recover the sums due but not paid to the concerned authorities on the above counts from any sums due to the contractor including amount of the Security Deposit or Retention Money in respect of this contract or any other contract.

27. The contractor shall be responsible for arranging at his own cost all necessary tools and plants required for proper execution of work.

28. All tools, plant and machinery provided by the contractor shall, when brought on to the site, be deemed to be exclusively intended for the construction and completion of this work and the contractor shall not remove the same or any part thereof (say for the purpose of moving it from one part of the site to another) without the consent of the Engineer-in-Charge.

29. The rates for various items of the work shall apply for all floor heights and depths unless otherwise specified in the relevant items or schedule of quantity attached with this tender document.

30. All incidental charges of any kind whatsoever including cartage, storage, cutting and wastage etc., shall be borne exclusively by the contractor and nothing extra shall be paid to him on this account.

31. The contractor shall provide at his own cost suitable weighing measures, levelling equipment's and measuring equipment's etc. at site for checking the weight, dimensions and levels as may be necessary for execution of work.

32. The day to day receipt and issue accounts of cement, paint, distemper etc. shall be maintained in the standard Performa by the Contractor or his authorized representatives & shall be duly signed by Junior Engineer/Assistant Engineer in-charge of the work.

33. All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested before covering.

34. Samples including brand / quality of materials and fittings to be used in the work shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work.

35. All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison and pursuing for obtaining various No Objection Certificates, completion certificates from local bodies etc., protection works, barricading, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in-Charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts. Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, etc.

36. The Contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc under various labour laws and other regulations applicable to the works, at his site office.

37. QUALITY ASSURANCE/TESTING OF MATERIALS: -

37.1 The contractor shall establish a laboratory at site to test the coarse aggregate, fine aggregate, water, sand, cement etc to be used in construction.

37.2 With each Running Bill, the details of test carried out shall be submitted by the contractor as per Performa **(As per General Index).**

37.3 Samples of materials required for testing shall be provided free of charge by the contractor. The cost of tests to be carried out in approved labs shall be borne by the contractor in the manner indicated below, -**All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing changes shall be borne by the contractor.**

a) All the test in field lab setup at construction site shall be carried out by the Engineering Staff deployed by the contractor which shall be 100% witnessed by JE & 50% of tests shall be witnessed by AE-in-Charge. At least 10% of the tests are to be witnessed by the EE/ SE.

b) All the entries in the registers will be made by the designated Engineering staff of the contractor and same should be regularly reviewed by JE/AE/EE/SE.

c) Contractor shall be responsible for safe custody of all the test registers.

d) Submission of copy of all test registers, materials at site Register and hindrance register along with each alternate Running Account Bill and Final Bill shall be mandatory.

e) Extensive testing of the materials used for construction is a pre-requisite for attaining high quality of the work. This shall also require specialized tests, physical, chemical, ultrasonic, x-ray and various other types of tests which cannot possibly be carried out in a site laboratory. These tests also require specialized personnel who regularly deal in such testing. Therefore, the need arises for carrying out the tests in outside laboratories. These laboratories may be in the Govt. sector, Semi Govt. or Private sector. The outside private laboratories shall be short listed beforehand by EE and approval obtained from Superintending Engineer, Vigyan Bhawan, CPWD, New Delhi. In case of laboratories in the private sector, the past record and reputation of the laboratory must invariably be given due consideration. The infrastructure in these laboratories can also be inspected before they are short listed.

38. **FIELD LABORATORY**

The contractor has to establish field laboratory at site including all necessary equipment's and skilled manpower for the Field Tests (As per General Index) at his own cost to have proper quality control. For performing the above tests, the Field-Testing Equipment's and Instruments (As per General Index) are to be arranged and maintained by the contractor.

38.1 The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set-out tolerance limit shall be summarily rejected by the Engineer-in-Charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately.

38.2 The list of Laboratory/ Field equipment referred above are to be arranged and maintained by the contractor at the site of work. In case the equipment required for any test is not available at site, the department shall get the test conducted from the third party. However, in that event, besides providing free materials of sample, the cost of taking of sample, packing, transportation, testing charges etc. shall be borne by the contractor irrespective of the results.

39. Rates are inclusive of labour cess @ 1% and same will be deducted as recovery from cross amount during payment to agency.

Senior Draftsman **Vigyan Bhawan Division** **CPWD, New Delhi**	**Assistant Engineer (P)** **Vigyan Bhawan Division** **CPWD, New Delhi**	**Executive Engineer** **Vigyan Bhawan Division** **CPWD, New Delhi**

Special Conditions

1. The work shall be carried out as per CPWD General specifications V-I & V-II for civil work. as amended upto date and as per direction of Engineer in charge.
2. The work shall be carried out at **RDC-2027**. Contractor shall visit the site before quoting the rate/offer and shall take all factor into account.
3. Police verification of every staff deployed by the contractor shall be got done by the contractor compulsorily and a copy of police verification and copy of his Aadhar Card/Voter ID or any other Identity Card shall be provided to Engineer-in-Charge after which an identity card shall be issued to each employee of the contractor for proper identification. The employee and labours engaged by the contractor under this contract shall wear neat and clean uniforms and wear nylon jackets with CPWD logo on front and Back as approved by Engineer-in-Charge along with name badges, else recovery shall be made @ Rs 100/- per person per day.
4. The contractor shall have to arrange for issue of identity cards as per direction of the Engineer- in-charge for all the staff members deployed within one week of the start of the work at his own cost and also submit two extra photographs with full address of each worker for record. If contractor fails to do so, the department shall recover Rs.100/- per day/per person for this default from the monthly bill. The contractor shall also provide the basic PPEs (Personal Protection Equipment's)/ Safety equipment like Helmet, Safety belt/harness, Safety Shoes, Gloves etc. to each worker and supervisor, whosoever is directly connected with the work.
5. Biometric attendance system is installed within week of date of start of contract for all deployed workers shall be provided, installed at site at suitable locations and maintained in good working condition by the contractor at his own cost, for which nothing extra shall be paid. In & out, both timings should be marked by every engaged staff in biometric attendance machine failing which it will be treated as absent. In Round the clock shift duty, current shift staff will relieve only when staff of next shift join duty for staff working in shifts. Exemption from biometric attendance in case of Covid-19 or any strictly followed as per MHA/CPWD-DG guidelines.
6. Failure to install and commission the biometric attendance system within the stipulated period shall attract a penalty of **₹5,000 (Rupees Five Thousand only) per day**, which shall be recovered from the Contractor's monthly bill until compliance is achieved.
7. The Engineers, Supervisors and staff including skilled and unskilled workers of the agency shall carry mobile telephone(s) to enable the Engineer-in-charge to have easy and quick communication. Nothing extra shall be paid to the contractor on this account and his quoted rates for various items under this contract will be deemed to be inclusive of the expenditure towards such Mobile connections and use thereof.
8. The department shall not be responsible for any accident or labour claim during the contract period. The firm shall bear all such claims.
9. No T &P shall be issued by department. All tools required to attend the maintenance problems should be arranged by the agency at its own cost.
10. The following documents related to staff/labour to be deployed at site is to be submitted within 7 days of issued of award letter, failing to submit the below mentioned documents penalty of Rs. 1000/- shall be levied. (Original documents should be made available for verification purpose during submission of below mentioned documents)
    - i) 2 Nos. passport size photograph of labour/staff
    - ii) PCC not older than 1 year
    - iii) 2 Nos. ID proof of the labour/staff
    - iv) Application of labour token/pass on letter head of agency duly signed by contractor.
11. The persons deployed in this work by the Agency shall be of good health and good moral character and shall not be less than 18 years old age and shall have minimum three years' experience in the field.
12. The contractor shall depute staff with minimum qualification and experience as under

S.No.	Designation	Minimum Qualification Academic	Experience
1	Supervisor	Diploma in Civil Engineering or equivalent qualification in trade.	5 Years in same line

13. The contract can be terminated by Engineer-in-charge without assigning any reason at any time during the contract. No claim or any compensation will however be entertained due to such termination of period prior to expiry of stipulated period of contract.
14. The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act 1970& Bonus Act 1965, as amended from time to time. Hence accordingly contractor should provide all such benefits to their employees as per rule, failing which no payment shall be made to contractor. However, in respect of payment on account of ESI, EPF and Bonus, the same shall be paid by the contractor to the concerned staff and it will be reimbursed to him by the Engineer-in-charge after satisfying that it has been actually and genuinely paid by the contractor.
15. The contractor shall be fully Responsible for the payment of salaries in Every Month. The contractor shall pay to his staff not less than minimum wages approved by the Govt. from time to time through RTGS/Online transfer mode only before 7th day of each month otherwise recovery of Rs. 200/- per labour per day delay shall be made from the bill contractor. No other means of payment will be entertained & the contractor has to provide the receipt of the payment along with Bill.
16. The contractor shall make all safety arrangement at work site and shall be responsible /liable for any miss happening department shall not have any responsibility or liability of any kind in respect of accident with the staff employed by the contractor under this agreement. Being important building with offices of high-level officers and visiting foreign dignities, the person employed should be very well conversant & well behaved. They should also be of good moral character. The contractor will be fully responsible for the conduct of the staff deputed at site. The Engineer-in-Charge reserves the right to remove/terminate the services of worker without assigning any reason what so ever. The staff deputed by the contractor will have to work as per direction and instruction of Engineer-in-Charge as required.
17. After completion of the Agreement, contractor has to hand over the system in perfect running condition complete in all respects as per inventory and will hand over to the department.
18. The contractor should depute experienced and qualified staff. Contractor should submit full particulars of their staff before deployment at site and obtained necessary approval from competent authority failing which site shall not be handed over and action shall be taken as per agreement.
19. All the instructions given to the worker must be followed in the interest of the safety and smooth functioning of installation& services.
20. Rates quoted should be inclusive of 3 Nos. National Holidays. Nothing extra shall be paid for National Holidays.
21. The Engineers, Supervisors and staff including skilled and unskilled workers of the agency shall carry mobile telephone(s) to enable the Engineer-in-charge to have easy and quick communication. Nothing extra shall be paid to the contractor on this account and his quoted rates for various items under this contract will be deemed to be inclusive of the expenditure towards such Mobile connections and use thereof.
22. The person deployed can be put on duty on any place in case of requirement. The duty hours shall also be changed as per requirement. The contractor has to provide services if required for Sundays and holidays also.
23. Any damage to building or electrical installation shall be rectified by the contractor at his own cost and nothing extra will be paid.
24. The contractor shall undertake replacement/substitution of any staff, found unfit for duty due to any circumstances, **within 24 hours**, as per directions of Engineer-in-charge. The contractor shall make local arrangements, for the shortfall in staff, during intervening period.
25. All Log book/Complaint register for recording of complaints shall be provided by the firm. Nothing extra shall be paid by the department on this account.
26. No overtime/ travelling/ cartage/ liveries on any account shall be paid extra to the contractor.
27. Dismantled material received if any, shall have to be returned to the department at JE(C) store. Nothing extra shall be paid in this account.
28. The staff employed for maintenance shall be available at located office, along with complaint register as decided by the Engineer-in-charge at site.
29. The contractor has to take satisfactory day to day complaint list checked by JE/AE(C) every month which will be submitted along with the bill.
30. The contractor shall provide weekly rest to the staff.
31. The rates quoted by the firm shall be inclusive of all applicable taxes & duties. Nothing extra shall be paid by the department.

32. The scope of work includes thorough cleaning of all equipment, panels, and associated premises at regular intervals, ensuring proper upkeep, dust-free conditions, and compliance with safety and hygiene standards as per site requirements.

33. The Contractor shall maintain attendance records of all deployed staff and submit the same along with each bill. The attendance records shall be checked/verified by the JE/AE/EE in charge of the work before processing the bill.

34. Engineer-in-charge can change the duty of staff in shifts or otherwise as per actual requirement at site and such changes by the Engineer-in-charge shall be binding on the contractor.

    The contractor may note carefully that the recovery for the absence of maintenance staff from their duty shall be made from the contractor's running bill. The penal recovery rates for labour for absence will be as under: -

    a) Highly Skilled worker @ 2 times the prevailing minimum wages per day/person
    b) Skilled worker @ 2 times the prevailing minimum wages per day/person
    c) Semi-Skilled worker @ 2 times the prevailing minimum wages per day/person
    d) Unskilled worker @ 2 times the prevailing minimum wages per day/person

35. **The staff deployed on the work shall be the employees of the contractor. The contractor shall pay the employees deployed on the work the minimum wages and other admissible allowances as notified by GNCTD/Govt. of India whichever is higher from time to time.**

36. The Contractor shall be responsible for any legal aspect from employee side. Department will not responsible for that.

37. The contractor shall bring and deposit the required quantities of supply items, as specified in the Schedule, with the Junior Engineer (JE) in charge as and when required, and in accordance with the directions of the Engineer-in-Charge. If the contractor fails to deposit the required items within **Seven (7) days** from the date of such direction, a penalty of **₹5000 (Rupees Five Thousand only) per item per day** of delay shall be recovered from the contractor's bill until compliance is achieved.

38. 100% quantity of the material like Paint, distemper, plastic emulsion paint, water proofing cement paint shall be brought in sealed containers & deposited with JE in charge within a week of date of start of contract, if failing to do so a recovery of Rs. 500 per day of delay will be recovered in the bill.

39. In no case, Mortar/cement concrete shall be mixed directly on floor/road surface. For mixing of mortar, G.I. Sheet/Ply etc. shall be used to maintain the surface of flooring/road. If at any instance, any worker is found, mixing mortar/cement concrete directly on floor/ road surface, recovery of Rs. 1000/- instance shall be made from running bill.

40. Whenever any civil work is assigned by JE/AE/EE with the contractor through the site Order Book, the contractor shall with and complete the said work or resolve the complaint maximum seven (7) days of issuance. If the contractor fails to comply the work is assigned or a complaint, the work shall be executed by the department of through any other agency without further notice or without intimation of the contractor. The cost of such work, as verified and certified by the Engineer-in-charge, shall be deducted from the contractor's bill.

41. The contractor shall submit authenticated copies of itemized bills of the materials which has to be entered in the M.A.S. Register Viz Steel, Cement, Bitumen, Paint, Water Proofing materials or any other item required for execution of work authenticated copies of itemized bill must be obtained by field staff / authorities from the agencies / contractor before setting payments.

42. Site should be left neat and clean after completion of work.

43. The contractor has to submit all the supply items approved by the Engineer-in-Charge within 01 (one) Weeks from the date of start of the work to the work site, otherwise Rs.5,000/- per month will be recovered from the contractor bill.

44. Any day-to-day complaint should be attend within 24 Hrs. if failing which Rs.1000/- Per complaint per day will be recovered from contractor's bill.

45. Full quantity of material i.e. supplies of item or such as paint / putty / primer / POP etc. shall be deposited in sealed container in advance and get it checked by Engineer-in-Charge before use or his successor.

46. It shall be mandatory for bidder to submit the self-attested copies of Tax Paid Bills of the materials entered in M.A.S. Register Viz., Steel, cement, Bitumen, Paint, Primer, Distemper, Varnishes, Tile Adhesive, Admixtures, Anti-Termite Chemical, Water proofing Compound material or any other item as directed by the Engineer-in-Charge at any point of time during the execution of the work. Also, the onus of genuineness of Tax paid Bill will rests with the bidder.

47. Agency will arrange for the strainer of required shade and nothing shall be paid for it.
48. Panting work over walls shall only be carried out with application of roller.
49. The manufacturing date and batch number will be inscribed or printed on packs / containers by manufacturers are acceptable for all the above said materials. Fresh material shall be brought at site as far as possible and materials more than 03 Months old from the date of manufacturing will be rejected.
50. The contractor shall have to get the shades of all types of paints, distempers, water proofing cement paint etc. approved from the Engineer-in-Charge before procurement of materials.
51. The contractor shall be required to produce samples of all materials sufficiently in advance to obtain approval of the Engineer-in-Charge. Subsequently the materials to be used in the actual execution of the work shall strictly confirm to the quality of samples approved. In case of variation, such materials shall be liable to rejection.
52. The contractor shall not store / dump construction material or debris on metaled road.
53. The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot / area using CGI sheets or plastic and / or other similar material to ensure that no construction material dust fly outside the plot area. The contactor shall ensure that the construction activity does not cause any air pollution during course of construction and/or storage of material or construction activity. The agency should quote his rates after considering the cost involved in this regard. Nothing extra shall be paid on this account. No claim in this regard shall be entertained.
54. The contractor shall ensure that C&D waste is transported to the C&D waste site only and due record shall be maintained by the contractor.
55. The contractor shall compulsorily use of wet jet in grinding and stone cutting.
56. Unless otherwise specified, the agreement rates for all items of work of the schedule of quantities are for all heights, depths, leads and lifts involved in the execution of work.
57. Other agencies working at site will also simultaneously execute the work entrusted to them and the contractor shall offer necessary co-operation wherever required to other agencies.
58. The contractor shall be responsible for behaviour and conduct of his labourer. The contractor shall engage no labourer with doubtful integrity or having a bad record.
59. Department shall not be responsible for any loss of material brought by the contractor at site.
60. During the execution of the work, the contractor shall make all necessary arrangements for cleaning and shall ensure that the work area is cleaned immediately after completion of the work, leaving the site in a neat and tidy condition.
61. No labour huts will be allowed to be constructed at the work site. The contractor shall have to make his own arrangement for transportation of labourers at work site and back at his own cost. Nothing extra shall be payable on this account.
62. The contractor shall make his own arrangements for obtaining electric connections, if required and make necessary payments directly to the department concerned.
63. Some restrictions may be imposed by the security staff or any other law enforcing agency etc. on the working and/or movement of labour, materials etc. the contractor shall be bound to follow all such restriction / instruction and nothing extra shall be payable on the account.
64. The work may be permitted to be done in odd hours in case of urgency, subject to the permission for security for which nothing extra shall be payable.

Senior Draftsman **Vigyan Bhawan Division** **CPWD, New Delhi**	**Assistant Engineer (P)** **Vigyan Bhawan Division** **CPWD, New Delhi**	**Executive Engineer** **Vigyan Bhawan Division** **CPWD, New Delhi**

Additional Conditions

1. The tender shall acquaint him with the proposed site of work, its approach roads, working space available before quoting his rates.
2. The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution of smoke, streams and water-ways. He shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor without any reservation entirely to the satisfaction of the Engineer-in-Charge.
3. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of building.
4. The contractor shall be entirely and exclusively responsible for the horizontal, vertical and other alignment, the level and correctness of every part of the work and shall rectify effectively any errors or imperfections therein. Such rectifications shall be carried out by the contractor at his own cost to the instructions and satisfaction of the Engineer-in-Charge.
5. The proposed work is to be carried out in a prestigious building and quality of work is of paramount importance. Contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment's to execute the work. Work will specifically require engagement of skilled workers having experience particularly in execution of such items.
6. Samples of all building materials, fittings and other articles required for execution of the work shall be got approved from the Engineer-in-Charge. Articles manufactured by Firms of repute and approved by the Engineer-in-Charge shall only be used. Articles classified as "First Quality" by the manufacturer shall be used unless otherwise specified. Preference shall be given to those articles which bear BIS Certification mark. In case articles bearing BIS Certification mark are not available, the quality of samples brought by the contractor shall be judged by the standards laid down in the relevant BIS specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved by the Engineer -in-Charge which shall be preserved till the completion of the work.
7. The contractor shall be required to produce samples of all materials to be arranged and procured by him sufficiently in advance to obtain approval of the Engineer-in-charge. Subsequently the materials to be used in the actual execution of the work shall strictly of the same quality of samples approved. In case of variation in the quality, such materials shall be liable to rejection. The rejected material shall be immediately removed from the site of work by the contractor at his own cost. If the contractor fails to remove the rejected material from the site within 48 hours of their rejection, the Engineer-in-charge is authorized to remove the same at the risk and cost of the contractor. No claim financially or otherwise shall be entertained on account of any reason whatsoever.
8. The contractor shall ensure quality execution in a planned and time bound manner. Any sub-standard material/ work beyond set out tolerance limits shall be summarily rejected by the Engineer-in-Charge.
9. Best make of approved quality of all paints, distemper, fittings, fixtures, hinges, screws, nails etc. shall be used after getting the samples of same approved by the Engineer-in-charge
10. Wherever the construction is taken up, the contractor shall provide at his own cost an all weather motor able track/parking place if considered necessary by the Engineer-in-charge entirely to his satisfaction to facilitate the movement and parking of inspection vehicles.
11. No inflammable materials including P.O.L. shall generally be allowed to be stored at site. However, reasonable quantity may be permitted for storage subject to the compliance of all rules / instructions issued by the competent authorities and as per the direction of Engineer-in-Charge.
12. In the event of any restrictions (including temporary suspension of work) being imposed by the Security agency, CPWD, Traffic or any other authority having jurisdiction in the area on the working or movement of labour /material, the contractor shall strictly follow such restrictions and nothing extra shall be payable to the contractor on this account. The loss of time on this account, if any, shall have to be made up by generating additional resources etc. General Security restrictions are given as under:
    (i) The movement of trucks and vehicles shall be regulated in accordance with rules and regulations as approved by competent authority.
    (ii) The contractor shall inform, in advance, the truck registration numbers, ownerships of the trucks, names and addresses of the drivers for necessary action by the Security agency.

13. All the malba shall be disposed by the contractor to the dumping ground approved by the MCD/NDMC or as directed by the Engineer-in-charge. The site shall be kept neat and clean during and after the completion of the work

14. The dismantling/demolishing where required shall be done in a manner that no other portion of the building or its fixture or the existing flooring is damaged. In the event of any such damages, the same shall be made good by the contractor at his own cost and no claim whatsoever will be entertained on this account.

15. Water Charges, Income Tax, Value Added Tax and other taxes shall be recovered from the gross amount of the bills as per relevant rules.

16. **RDC-2027** & it's surroundings are restricted area where movement of vehicles is rottenly restricted. The contractor shall have to apply for passes well in advance for carrying out the work including safety measures. No claim shall be entertained for any loss on this account.

17. The contractor shall be solely responsible for any act of omission on the part of the labour.

18. The contractor has to submit fortnightly labour reports mandatory.

19. **Samples of all materials shall be got approved from the Engineer-in-charge before bringing the lot**.

20. **All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. Including testing charges shall borne by the contractor.** Testing may also be carried out at the discretion of the Engineer-in-charge, from the lot of finished product brought at site by the contractor, and testing shall be carried out from the list of approved Laboratories only.

21. The contractor shall be required to comply with the provisions of Delhi Labour Welfare Fund notified by the Delhi Govt. on 13.7.04 as per which if the contractor employs directly or through other persons, five or more than five persons on any working day dg. The preceding Two Months, owes a statutory obligation to deposit: -

    (i) Fines realized from employees.
    (ii) Unpaid accumulations.
    (iii) Contribution of employer @75 paisa per employee, per six months.
    (iv) Contribution of employer @ Rs. 2.25 per employee, per six months.

    As per the provision of the above said act all employees are covered, expect managerial and supervisory staff drawing as wages Rs. 2500/- per month or more, engaged in different establishment and if any employer fails to deposit the amount payable under the provisions of the said Act, panel interest would be charged @ 1% p.m. for the first Two Months and thereafter panel interest would be charged @ 1.5% p.m. and the arrears are recoverable as Arrears of "Land Revenue"

22. The contractor shall be responsible for behaviour and conduct of his labourer. The contractor shall engage no labourer with doubtful integrity or having a bad record.

23. Department shall not be responsible for any loss of material brought by the contractor at site.

24. During execution of work, contractor shall make necessary arrangements for cleaning of common areas daily after the work.

25. No labour huts will be allowed to be constructed at the work site. The contractor shall have to make his own arrangement for transportation of labourers at work site and back at his own cost. Nothing extra shall be payable on this account.

26. The contractor shall make his own arrangements for obtaining electric connections, if required and make necessary payments directly to the department concerned.

27. Some restrictions may be imposed by the security staff or any other law enforcing agency etc. on the working and/or movement of labour, materials etc. the contractor shall be bound to follow all such restriction / instruction and nothing extra shall be payable on the account.

28. The work may be permitted to be done in odd hours in case of urgency, subject to the permission for security for which nothing extra shall be payable.

29. (i) 1% (one percent) water charges shall be recovered on the gross amount of bill from the contractor, if the Govt. water is used.

    (ii) 1% Labour cess shall be recovered on the gross amount of the bill of contractor.

30. The contract agency is bound to strict compliance to the directions of Hon'ble National Green Tribunal on Air Pollution etc. from construction and demolition activities during the currency of Agreement. Any violation of such directions resulting fine/penalty by the competent authority shall be borne by the contract agency.

31. **As per DG CPWD OM No. 9/2/2024/का0–II/म0नि0/46(हि0)dated 24.05.2024 in compliance of order dated 29.01.2024/06.05.2024, of the Hon'ble Delhi High Court, In the matter of CONT. CAS. No. 220/2022 titles as "New Delhi Nature Society Vs Rajesh Bansal & Ors." In case any work is to be commenced, which is within two meters radius from any existing tree, the permission of the Tree Officer shall have to be taken by agency which undertakes Civil Work as a mandatory condition. In case there is non-compliance of the aforesaid condition of taking permission from the Tree Officer, the same shall entail strict penalty by appropriate authority.**

32. **As per DG Circular No. DG/Enlist. Rules-2023/10 dated 22.04.2024, the enlisted contractor will not be allowed to participate in tendering process without uploading the certificate of compulsory ERP Training. The existing enlisted contractor either himself or his authorised representative shall take compulsory ERP Training through any of the CPWD RTI's at Delhi, Mumbai, Chennai, Kolkata, NCA Ghaziabad, training arranged by graduates of ERP "Train the trainers programme" or through any other special training arranged by ERP Unit of CPWD. Training is valid only when participants are registered in LMS of ERP and certificate is issued through LMS of ERP.**

In case of non-enlisted contractor being first lowest in any of the tender then either contractor himself or his authorized representative shall take compulsory ERP training through any of the CPWD Regional Training institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD within two months from the date of issue of intent letter. Training will be valid only when non enlisted contractor is registered in LMS of ERP and certificate is issued through LMS of ERP. Failure to do so, a recovery of Rs. 10,000/- per week shall be made from the R/A bill without giving any show cause notice in this regard.

33. **DEVIATION FROM THE DRAWINGS, SPECIFICATIONS, STIPULATION, CONDITIONS**

The contractor is not to vary or deviate from the drawings, specifications, stipulation, conditions of tender document or instructions to execute any work of any kind whatsoever unless so authorized by the Engineer-in-Charge in writing. For any extra work involved in consequence of some breach of this contract or the part of the contractor(s),no extra payment will be admissible to the contractor.

34. **PROTECTION OF WORKS**

All finished Works shall be protected from damage by covering with appropriate material as per direction of Engineer-in-Charge (Nothing extra shall be paid on this account) that could arise from other construction activities or natural phenomenon. Work shall be planned and executed in such a manner that work completed by others is not damaged. The compliance of these provisions is deemed to be included in the quoted amount and nothing extra shall be paid on this account. The contractor shall maintain in good condition all work till the completion of entire work allotted to him. Engineer-in-Charge shall not be held responsible for any claims for injuries to persons/workmen or for structural damage to property happening from any neglect, default, want of proper care or mis conduct on the part of the contract or of any other of his authorized representatives / labour in his employment during the execution of the work. The compensation, if any, shall be paid directly to the department/authority/persons concerned, by the contractor at his own cost.

35. **RIGHT TO CARRY OUT THE WORK**

The right to carry out the work either in conformity with or in a manner entirely different from the terms of this tender document that may be considered the most suitable before or subsequent to the receipt of tenders due to exigencies of work is reserved with the Engineer-in-Charge.

36. **PROGRESS OF WORK**

Contractor shall give the Engineer-in-Charge on the 10th day of each month, copy of progress report in the prescribed format of the work done during the previous month and program/ proposal for the next month. Such progress report will include the quantum of work done, important materials consumed, and materials available at site, materials proposed to be procured during the month &photographs of important activities as well as showing progress of the work.

37. **NIGHT WORK**

For completing the work in time, the contractor might be required to work in two or more shifts (including night work) and no claim what so ever shall be entertained on this account, notwithstanding the fact that the contractor will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulations and the agreement entered upon and /or extra amounts for any other reason.

38. **CONTRACTOR TO INDEMNIFY**

The Contractor shall at all times indemnify the department against all claims, damages of compensation under the provisions of payments of Wages Act 1936, Workmen's Compensation Act1923, Minimum Wages Act 1948, Employment Liability Act 1938, Industrial Disputes Act 1947, Maternity Benefit Act 1961, Interstate Migrant Workmen (Regulation of Employment and Conditions Sewage) Act 1979 or any modifications thereof or any other law relating thereto any rules made there under from time to time or as a consequence of any accident or injury to any workmen or other person in or about the works, whether in the employment of the Contractor or not, save and except where such accident or injury has resulted from any act of the department, their agents or servants and also against all costs, charges and expenses of any suit, action or proceedings arising out of such accident or injury and against all sum or sums which may with the consent of the Contractor be paid to compromise or compound any such claim without limiting his obligation and liabilities as above. The Contractor shall insure against all claims, damages or compensation payable under the Workmen's Compensation Act 1923, or any modifications thereof or any other law relating thereto. The Contractor shall ensure that similar insurance policies are take not by his sub-contractor (if any) and shall be responsible for any claims or losses to department resulting from their failure to obtained equate insurance protection in connection thereof. The contractor shall procure or cause to be produced by his Sub-Contractors (if any) as the case may be relevant policy or policies and premium receipts as and when required by the Engineer-in-charge.

39. **SAFETY OF WORKERS**

Over and above the provisions made in CPWD Safety Code the following will also be applicable: In respect of all workmen directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractor shall at his expense arrange for the safety provisions as per Indian Standard Safety codes shown below and shall at his own expense provide for all facilities in connection there with. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay penalty prescribed under relevant clauses of these tender documents for each default and in addition the Engineer-in-charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the cost incurred on that behalf from the contractor, and no claims on this account whatsoever shall be entertained.

27.1.1 IS : 3696 (part I) Safety code for scaffolds and ladders.

27.1.2 IS : 3696 (part II) Safety code for scaffolds and ladders Part II ladders.

27.1.3 IS : 4081 Safety code for blasting and drilling operations.

27.1.4 IS : 7293 Safety code for working with construction machinery.

27.1.5 IS : 7969 Safety code for storage and handling of building materials.

27.1.6 Any other code and/or as per directions of Engineer-in-charge.

40. **COMPLIANCE OF LAWS**

The contractor shall keep himself fully informed of all acts and laws of the Central and state govt. (i.e. Govt. of National Capital Territory of Delhi) all local bye laws, ordinances, rules and regulations and all orders and decree of bodies or, tribunals having any jurisdiction or authority which in any manner affect hose engaged or employed on the work or which in any way affect the conduct of the works. Contractor shall at all times, observe and comply with all such laws, ordinances, rules, regulations, orders and decrees, and shall give all notices and pay out of his own money any fees or charges to which he may be liable. He shall protect and indemnify the Department and its officers and employees against any claim or liability arising out of violations of any such law, ordinances, legislations, order or decree, whether by himself or by his employees & authorized representatives.

41. **PREVENTION OF NUISANCE AND POLLUTION**

The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution. He shall make good at his own cost and to the satisfaction of the Engineer-in-charge, any damage to roads, paths, drainage works or public or private property whatsoever caused by the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be cleaned away by the contractor without any reservations entirely to the satisfaction of the Engineer-in-charge at no extra cost.

42. **NO WAIVING OF LEGAL RIGHTS AND POWERS**

The Engineer-in-Charge shall not be precluded or stopped from taking any measurements, and framing of estimates or detaining any certificates made either before or after the completion and acceptance of the work and payment, from showing the true amount and character of the works performed and materials furnished by the contractor and from showing that any such measurements, estimates or certificates untrue or incorrectly made and that Engineer-in-charge shall not be precluded or stopped from recovering from the contractor such damages as it may be sustained by reasons of his failure to

comply with the terms and conditions of the contract. Neither the acceptance by the Engineer-in-Charge nor any payment for acceptance of the whole or any part of the work nor any extension of time nor any possession taken by the Engineer-in-Charge shall operate as a waiver of any portion of the contract or any power here in reserved or of any risk to damage. A waiver of any breach of the contract shall not be held to be a waiver of any other or subsequent breach.

43. **SITE MAINTENANCE**

The Contractor shall maintain the Sites in good order during the whole construction period. It is strictly prohibited to bury any kind of waste materials, solid or liquid, in the ground. In the event of accidental discharge of polluting materials, the Contractor shall take immediate mitigating action and shall immediately inform the Client and the appropriate authorities.

44. **PERSONALPROTECTIVEEQUIPMENTS(PPEs)**

The contractor shall provide required PPEs to workmen to protect against safety and/or health hazards.

Primarily PPEs are required for the following protection.

I. Head Protection (Safety helmets)
II. Foot Protection (Safety footwear, Gumboot, etc.)
III. Body Protection (High visibility clothing (waistcoat / jacket), Apron, etc.)
IV. Personal fall protection (Full body harness, Rope-grap fall arrester, etc.)
V. Eye protection (Goggles, Welders glasses, etc.)
VI. Hand protection (Gloves, finger coats, etc.)
VII. Respiratory Protection (Nose mask, SCBAs, etc.)
VIII. Hearing protection (Ear plugs, Ear muffs, etc.)

The PPEs and safety appliances provided by the contractor shall be of the standard as prescribed by Bureau of Indian Standards (BIS). If materials conforming to BIS standards are not available the contract or as approved by the Engineer-in-charge shall procure PPE and safety appliances.

All construction workers should be provided with high visibility jackets with reflective tapes confirming to the requirement specified under BS EN 471: 1994. The conspicuity of workmen at all times shall be increased so as to protect them from speeding vehicular traffic. The contractor shall provide safety helmet, safety shoe and high visibility clothing for all employee including workmen, traffic marshal and other employees who are engaged for any work under this contract as per the following requirement. In addition to the above any other PPE required for any specific jobs like, welding and cutting, working at height, tunneling etc. shall also be provided to all workmen and also ensure that all workmen use the PPEs properly while on the job. The contractor shall not pay any cash amount in lieu to PPE to the workers / sub- contractors and expect them to buy and use during work. The contractor shall at all-time maintain a minimum of 10% spare PPEs and safety appliances and properly record and show to the Engineer-in-charge during the inspections. It is always the duty of the contractor to provide required PPEs for all visitors towards this required quantity of PPEs shall be kept always at the security post.

45. **VISITORS TO SITE**

No visitor is allowed to enter the site without the permission of the Engineer-in-charge. All authorized visitors should report at the site office and contractor shall provide visitor's helmet (White helmet with visitor sticker) and other PPEs like safety shoe, reflective jacket, and respiratory protection etc. as per requirement of the site. All visitors shall be accompanied at all times by a responsible member of the site personnel. The contractor shall be fully responsible for all visitor's safety and health within the site.

46. **EMPLOYER'S RISK**

In the event of any such loss or damage happening from any of the excepted risks defined in GCC 2023 pertaining to permanent works, as in combination with other risks, the contractor shall, if so required by the Engineer-in-charge, rectify the loss or damage. An addition to the contract price shall be determined treating the work done to rectify the loss or damage as variation/ extra/ substituted item, as given in the relevant clauses.

a) Whenever any event as mentioned above occurs, the contractor will notify the Engineer-in-charge, within 14 days and provide a forecast cost of repairs / rectifications of damages / losses. As soon as information demonstrating the effect of such event is available, the Engineer-in-charge shall assess the cost of repairs/ rectifications to be paid. In case contractor's forecast is deemed unreasonable, the Engineer-in-charge shall adjust the contract price.

   i) The contractor shall be responsible for behavior and conduct of his labourer. The contractor shall engage no labourer with doubtful integrity or having a bad record.

   ii) Department shall not be responsible for any loss of material (on account of any reason) brought by the contractor at site.

iii) During execution of work, contractor shall make necessary arrangements for cleaning of common areas daily after the work.

iv) Some restrictions may be imposed by the security staff or any other law enforcing agency etc. on the working and/or movement of labour, materials etc. the contractor shall be bound to follow all such restriction / instruction and nothing extra shall be payable on the account.

v) Contractor shall adopt all the safety measures for the labourers as well as for the staff during the execution of work.

vi) The work may be permitted to be done in odd hours in case of urgency, subject to the permission for security for which nothing extra shall be payable.

vii) The work shall be executed in highly secured Zone Area and nothing extra shall be paid on this account.

47. **Drawing and Document**

The drawings accompanying the tender document are of indicative nature and issued for tendering purpose with the purpose to enable the tenderer to make an offer in line with the requirements of the Project.

48. The Contractor might be required to work in two or more shifts (including night shifts). No claim whatsoever shall be entertained on this account, not with-standing the fact that the contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them.

49. Emergency or urgent modifications like removing the scaffolding work or redoing the scaffolding due to any reason may be requested with shorter notice, and the Contractor should to comply with the modifications. No claim whatsoever shall be entertained on this account.

50. Labor Access and Entry Control

(i) Only pre-approved workers listed in the contractor's personnel roster shall be permitted on the premises. The Contractor must provide a complete list of all workers (including subcontractors) with their full names, contact numbers, and identification proof before commencement. Any changes to the workforce must be communicated to the Client 24 hours in advance with proper documentation.

51. Entry and Exit Protocols

(i) All workers must report to the designated entry point and sign in/out daily or as agreed upon.

(ii) Workers must carry visible identification badges at all times while on the premises

(iii) No worker shall enter restricted areas of the property without explicit permission from the department.

(iv) Personal belongings of workers must be checked at entry and exit points if required.

52. Conduct and Behaviours Standards

(i) Smoking, alcohol consumption, or use of prohibited substances is strictly forbidden on the premises.

(ii) Workers must use designated areas for meals and breaks.

(iii) Any worker found violating these conditions may be barred from the premises, and the Contractor must arrange immediate replacement.

(iv) Project Timeline and Adherence.

(v) Weekly progress reports must be submitted every Wednesday detailing completed work and upcoming activities

(vi) Any anticipated delays must be communicated immediately with proposed mitigation measures. Completion of work must occur within the stipulated timeframe as mentioned in the progress report or as directed by Engineer in Charge.

53. Protection of Windows and Doors

(i) All existing windows and doors must be covered with appropriate protective materials (plastic sheeting, plywood, or specialized protective film) before commencement of work.

(ii) The Contractor shall photograph all windows and doors before applying protection for documentation purposes.

(iii) Protective coverings must be inspected daily and replaced if damaged

(iv) Special care must be taken during activities involving cleaning of stones and applying of any chemicals.

(v) Any temporary removal of protection for access must be immediately restored after use

54. Garden and Landscape Protection

(i) All existing plants, trees, and landscaped areas must be clearly marked and protected from chemicals during the stone cleaning work. Any damage to the nearby landscape will attract fines/penalty.

(ii) Root zones of trees (area within the drip line) are strictly off-limits for material storage or heavy equipment or placing scaffolding.

(iii) Drainage of water used in cleaning work should be done in proper manner without affecting the nearby landscaping area.

(iv) Any unavoidable damage to lawn areas must be restored with matching grass variety and topsoil.

55. Traffic Movement

(i) The traffic movement of the building should not be impacted by the placement of scaffolding for the cleaning work. The Contractor must inform the department of any such activities 48 hours in advance and take prior approval if such condition is unavoidable.

56. Damage Liability and Contractor Responsibility

(i) The Contractor shall be fully liable for any and all damage to existing structures, fixtures, fittings, landscaping, or property caused directly or indirectly by cleaning work/activity. This includes damage caused by subcontractors, suppliers, or any personnel associated with the project

57. The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, machinery, equipment, temporary structures and transport which may be required in preparation of and for the full and entire execution and completion of the works. The descriptions given in Schedule of Quantities shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles

Senior Draftsman **Vigyan Bhawan Division** **CPWD, New Delhi**	**Assistant Engineer (P)** **Vigyan Bhawan Division** **CPWD, New Delhi**	**Executive Engineer** **Vigyan Bhawan Division** **CPWD, New Delhi**

Special Conditions for RDC

1. Time Schedule - As per table of Mile stone(s) should be strictly adhered.
2. The material shall be handed over and get verified at the RDC stores, Mehrauli, New Delhi and list of material damaged/shortages/losses etc. if any shall be obtained from the Junior Engineer-in-charge.
3. The material shall be stacked in countable position in the premises of RDC Store, Mehrauli, in case of extra items as directed by the Engineer-in-charge on or before **27.01.2027**. The actual date of completion shall be reckoned on the date on which the material is verified and handed over to JE. However, the list of shortage, damages etc. of the material against the actual issue shall be signed by the contractor and JE within 3 days of verification and handing over of the material.
4. The contractor shall make adequate arrangements for the required labour for working at night without any extra claim. If in the opinion of the Engineer-in-charge the progress of work is found to be unsatisfactory or doubtful of achieving the completion of the work in any place as per milestone fixed in the time schedule the contractor shall be given notice in the site order book to accelerate the progress within 24 hours or such short period as may be deemed fit by the Engineer-in-charge in the exigencies and situation of the work and in case the contractor fails to take action to accelerate the work of progress to the satisfaction of the Engineer-in-charge in any portion or whole of the work or if he or his re-preventative is not available at site to receive instructions or refuses to sign the instructions in the site order book, the work or such part of the work as may be considered shall be expedited at the risk and cost of contractor. The opinion and decision of the Engineer-in-charge in this respect be final and binding on the contractor.
5. During execution, if the work is delayed and delay is on the part of the contractor only. Single notice shall be served by the department. If the progress is still not satisfactory then the work shall be rescinded without any further notice and earnest money and performance guarantee in whole shall be forfeited.
6. Nothing extra shall be paid to the contractor for deployment of additional labour, trucks/ tempo etc. for removal & shifting of material e.g. water tanker, wooden board, prelaminated particle board, Aluminium door/window and other aluminium member's bricks steel/ iron members and building rubbish and other related material etc. from the central vista area to RDC store Mehrauli. If contractor fails to remove the material from site store by **27.01.2027**, a recovery @ `75,000/- per day shall be made and the material shall be removed by making suitable arrangement by the department. The expenditure incurred on this account shall be recovered from the value of gross work done by the contractor.
7. The quantities are liable to variation upto any extent on either side. No claim on this account shall be entertained. The additional work told at the last moment shall have to be done by the contractor for which payment shall be made as per terms and conditions.
8. The material while being returned to the stores shall be stored at specified yards/ locations as per direction of the Engineer-in- charge. The labour required for the purpose shall be supplied by the contractor free of cost.
9. The contractor is advised to see the seating enclosure plans in the office of Assistant Engineer for Republic Day Celebration on any working days during office hours before quoting the rates.
10. Planks of required sizes shall be sorted out for being fixed over the seat and foot rests and gang ways. The rates including for labour for making new holes in planks wherever required. Steel planks to the chair type stands will be fixed by tuck welding wherever necessary if nuts and bolts cannot be fixed.
11. The materials shall be issued/received back at RDC Store, Mehrauli, New Delhi and carted by the contractors. However, if the same are supplied or returned at site, the carriage charges would be recovered from the contractor's bill.
12. The stipulated material shall be issued from CPWD Store which may be a restricted entry area as per rules and regulation no extension of time due to holidays etc. and no any extra payment in this regard shall be entertained by department at any cost.
13. While operating gas for making holes, oxygen cylinder shall be accompanied with gas cylinder. If during progress of work any of the cylinder get empty an immediate arrangement to replace by new one shall be available at site of work.
14. Nothing extra shall be paid for excess consumption of material in case of material arranged by the contractor. In case of less consumption of material than theoretical requirement, the payment shall be restricted for the area covered theoretically with the quantity actually consumed provided the quality of work is acceptable.

15. The site for the work shall be made available.
16. The contractor has to make his own arrangement for electricity by deploying Generator of suitable capacity.
17. If the Govt. electricity is used by contractor in that case, the contractor shall provide necessary power board duly calibrated with tested electric meter fixed on the board for working out the actual consumption. The electricity charges will be recovered from the contractor accordingly based on consumption; else 2% electricity charges shall be recovered from the gross amount of the bill.
18. The contractor shall be required to comply with the provision of Labour-by-laws.
19. **The work is of national importance and must be completed in time. In case of any lapse in work, the agency will be processed for black listing.**
20. **Special Care shall be taken during execution of work to avoid any damage to irrigation network, Green Lawns and granite laid over footpaths. Suitable recovery in case of any damage will be done from agency in case same is not rectified by the agency.**
21. The Agency shall submit the detailed design, along with complete technical data sheets, manufacturer's name, material specifications, structural design calculations, load-bearing capacity details and relevant test certificates of the proposed FRP grating panels, to the Engineer-in-Charge for approval within 3 days of Start of the work. No material shall be procured or installed without prior approval of the Engineer-in-Charge. Nothing Extra shall be paid.
22. After approval of the design, technical specifications and manufacturer by the Engineer-in-Charge, the Agency shall prepare and install a sample panel at the site within 9 days from the commencement of the work for inspection and approval of the Engineer-in-Charge. The sample shall include the FRP grating panel along with all proposed fixing arrangements, including hold-down clips, fasteners, bolts, nuts and rubber gaskets/spacers, to demonstrate the complete installation methodology and workmanship. Bulk procurement and installation of the FRP grating panels shall be undertaken only after approval of the sample by the Engineer-in-Charge. No material shall be procured or installed without prior approval of the Engineer-in-Charge.
23. In the event of failure on the part of the Agency to adhere to the stipulated timelines for submission of the design, approval of the manufacturer, preparation and installation of the sample panel, or completion of the work, a recovery of ₹75,000/- (Rupees Seventy-Five Thousand only) per day shall be made from the running/final bills of the Agency for each day of delay attributable to the Agency. The stipulated timelines shall be strictly adhered to, considering the national importance and time-bound nature of the work. The recovery shall be without prejudice to any other action permissible under the provisions of the Agreement.

Senior Draftsman **Vigyan Bhawan Division** **CPWD, New Delhi**	**Assistant Engineer** **Vigyan Bhawan Division** **CPWD, New Delhi**	**Executive Engineer** **Vigyan Bhawan Division** **CPWD, New Delhi**

Minimum Quality Assurance Plan

1. Tests which are mandatory as per CPWD specification amended up to date are to be carried out by the contractor. While deciding these criteria CPWD Specifications & Provisions of BIS Code and Standard Practices may be referred.
2. Machinery and other Tool & Plants required to be deployed at site by the contractor as per requirement. Entire Machinery and T&P may not be required at the start of work, therefore, a proper time schedule by which each Machinery & T&P is to be brought at site should be submitted by the contractor to the site staff before start of the work.
3. Field laboratory is required if necessary for this work then testing equipment's to be arranged by the contractor. If field lab is to be setup by the Department, then contractor may be allowed for conducting the test there.
4. Ees/AEs/Jes shall conduct field testing of water at least once every three months or change in the source of water. The test results shall be recorded in the test registers, in addition to the mandatory laboratory testing of water samples.
5. **Maintenance of Register of Tests –**

   (i) All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge at the time of issue of award letter.

   (ii) All Samples of materials including Cement Concrete Cubes shall be taken by Contractor jointly with JE in charge of work and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all Samples of materials including Cement Concrete Cubes shall be taken by contractor in presence of AE in charge of work. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.

   (iii) All the test in field lab setup at Construction Site shall be carried out by the Engineering Staff deployed by the contractor in presence of JE-in-charge and at least 50% of tests in presence AE-in-charge. At least 10% of tests shall be carried out in presence of Executive Engineer.

   (iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be presented before JE/AE/Divisional Engineer for their review.

   (v) Contractor shall be responsible for safe custody of all the test registers.
6. It is mandatory to the contractor to submit copy of all test registers, Material at Site Register and hindrance register along with each alternate Running Account Bill and Final Bill. These registers shall further be checked by AE(P)/Senior Draughtsman in Division Office and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office. If all the test registers and hindrance register is not submitted by contractor along with each alternate R/A Bill & Final Bill, no payment shall be released to the contractor.
7. **Maintenance of Material at Site (MAS) Register –**

   (i) All the MAS Registers including Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge along with the award letter.

   (ii) The contractor shall get 100% test checked by JE or by AE if there is no JE after each entry of receipt of material at site in MAS register.

   (iii) The contractor shall get MAS Register test checked by JE at least twice a week and at least once a week by AE. If there is no JE is available then MAS register must be checked by AE at least twice a week.

   (iv) Cement register shall be got reviewed by Divisional Engineer at least once in a month.

Senior Draftsman	Assistant Engineer (P)	Executive Engineer
Vigyan Bhawan Division	Vigyan Bhawan Division	Vigyan Bhawan Division
CPWD, New Delhi	CPWD, New Delhi	CPWD, New Delhi

TECHNICAL SPECIFICATIONS

FACTORY-MADE HEAVY DUTY FRP GRATING PANELS

Factory-made, Heavy duty moulded Fibre Reinforced Plastic (FRP) grating panels of standard size **2.40 m × 1.20 m**, having an overall thickness of **40 mm**, with a square mesh grid profile of **38 mm × 38 mm** and continuous load-bearing bar thickness of **7 mm**. The grating shall have an open area of approximately **68%** and weight shall not be less than 19.5 **kg/m², ** load carrying capacity shall not be less than 1 MT(UDL) per sqm.

1. **Material and Manufacturing Process:** The FRP grating shall be manufactured through an industrial moulded process using premium-grade, UV-stabilized and fire-retardant isophthalic polyester resin or vinyl ester resin as the matrix, reinforced with continuous, multi-directional fibreglass strands to ensure adequate mechanical strength, durability, dimensional stability and resistance to environmental exposure.

2. **Surface Finish:** The top surface of the grating shall be provided with an integral anti-skid finish comprising embedded quartz grit or an equivalent concave wear-resistant surface to ensure adequate traction and prevent slipping during the movement and parking of light motor vehicles.

3. **Structural Strength and Load-Bearing Capacity:** The FRP grating shall have adequate bi-directional structural load-bearing capacity and shall be designed to safely withstand wheel loads imposed by light motor vehicles during parking and movement. The manufacturer shall furnish relevant technical data, load-bearing capacity details and test certificates to establish the suitability of the grating for the intended application.

4. **Installation and Fixing Arrangement:** The work shall include cutting, sizing, tailoring, laying, positioning and proper alignment of FRP grating panels over the prepared grass parking turf bed and perimeter supporting frames, ensuring proper fitting, uniform levels and continuity of the grating surface.

5. **Clamping and Fastening Arrangement:** The panels shall be securely anchored to the underlying structural supporting framework using heavy-duty SS-316 grade specialized L-type hold-down clips, suitable stainless-steel fasteners, bolts, nuts and other necessary accessories. Suitable rubber gaskets/spacers shall be provided wherever required to prevent rattling, vibration, movement and direct contact between the grating panels and supporting framework, thereby ensuring firm and stable installation.

6. **Quality Assurance:** The FRP grating panels shall be free from cracks, delamination, exposed fibres, surface defects and manufacturing imperfections. The panels shall conform to the specified dimensions, thickness, weight, material composition and performance requirements. The manufacturer shall submit relevant product specifications and test certificates for approval by the Engineer-in-Charge before installation.

7. **Structural Load-Bearing Capacity and Load Testing:** The FRP grating panels shall be suitable for vehicular traffic and parking of light motor vehicles, including cars and SUVs. The manufacturer shall submit a duly certified load-testing report from a NABL-accredited laboratory or any other Government-recognized testing laboratory, establishing the structural load-bearing capacity of the proposed grating panels. The testing shall be carried out considering the actual panel dimensions, thickness, mesh configuration and proposed supporting arrangement. The panels shall safely withstand the anticipated concentrated wheel loads without cracking, permanent deformation, delamination or structural failure.

8. **Deflection Criteria:** The grating panels shall have adequate stiffness to prevent excessive deflection under the specified design wheel load. The maximum permissible deflection under the service load shall not exceed L/200 of the effective unsupported span or 6 mm, whichever is less, unless a stricter criterion is specified by the Engineer-in-Charge based on the design requirements. No permanent deformation or damage shall occur after removal of the test load.

9. **Fire-Retardant Properties:** The FRP grating shall be manufactured using fire-retardant resin and shall possess self-extinguishing properties. The manufacturer shall submit a valid fire-performance test certificate issued by a recognized testing laboratory, indicating compliance with the applicable fire-retardancy standard.

10. **UV and Weather Resistance:** The FRP grating shall be UV-stabilized and suitable for continuous outdoor exposure under Indian climatic conditions, including sunlight, rain, moisture and temperature variations. The material shall be resistant to fading, degradation, corrosion and deterioration due to prolonged exposure to environmental conditions.

11. **Chemical and Corrosion Resistance:** The FRP grating shall be resistant to water, moisture, fertilizers, commonly used cleaning chemicals, salts and other environmental contaminants normally encountered in parking and landscaped areas. The material shall not rust, corrode or deteriorate under normal service conditions.

12. **Anti-Skid Surface Performance:** The upper surface shall have an integral anti-skid quartz grit finish or an equivalent moulded non-slip surface. The surface shall provide adequate traction for vehicle tyres under both dry and wet conditions and shall be resistant to abrasion and wear during regular vehicular movement.

13. **Dimensional Stability and Quality Control:** The panels shall have uniform thickness, mesh dimensions, bar thickness and surface finish. They shall be free from cracks, air pockets, delamination, exposed fibres, sharp edges and other manufacturing defects. The minimum panel weight shall be 19.5 kg/m².

14. **Manufacturer's Warranty:** The manufacturer/supplier shall provide a minimum warranty of five years against manufacturing defects, delamination, premature deterioration, structural failure and abnormal degradation under normal intended usage and installation conditions.

15. **Technical Documents Before Installation:** The contractor shall submit the following documents for approval of the Engineer-in-Charge before supply and installation:

    - Manufacturer's technical data sheet and product catalogue.
    - Structural load-bearing and load-deflection test reports.
    - Fire-retardancy test certificate.
    - UV and weather-resistance test certificate.
    - Details of resin composition and fibreglass reinforcement.
    - Installation methodology and recommended support spacing.
    - Manufacturer's warranty certificate.

16. **Approval of Sample:** One complete FRP grating panel, along with the proposed SS-316 fixing clips, fasteners and rubber spacers, shall be submitted to the Engineer-in-Charge for inspection and approval before bulk procurement and installation.

17. The Agency shall submit the detailed design, along with complete technical data sheets, manufacturer's name, material specifications, structural design calculations, load-bearing capacity details and relevant test certificates of the proposed FRP grating panels, to the Engineer-in-Charge for approval within 3 days of Start of the work. No material shall be procured or installed without prior approval of the Engineer-in-Charge. Nothing Extra shall be paid.

18. After approval of the design, technical specifications and manufacturer by the Engineer-in-Charge, the Agency shall prepare and install a sample panel at the site within 9 days from the commencement of the work for inspection and approval of the Engineer-in-Charge. The sample shall include the FRP grating panel along with all proposed fixing arrangements, including hold-down clips, fasteners, bolts, nuts and rubber gaskets/spacers, to demonstrate the complete installation methodology and workmanship. Bulk procurement and installation of the FRP grating panels shall be undertaken only after approval of the sample by the Engineer-in-Charge. No material shall be procured or installed without prior approval of the Engineer-in-Charge.

19. In the event of failure on the part of the Agency to adhere to the stipulated timelines for submission of the design, approval of the manufacturer, preparation and installation of the sample panel, or completion of the work, a recovery of ₹75,000/- (Rupees Seventy-Five Thousand only) per day shall be made from the running/final bills of the Agency for each day of delay attributable to the Agency. The stipulated timelines shall be strictly adhered to, considering the national importance and time-bound nature of the work. The recovery shall be without prejudice to any other action permissible under the provisions of the Agreement.

Senior Draftsman **Vigyan Bhawan Division** **CPWD, New Delhi**	**Assistant Engineer (P)** **Vigyan Bhawan Division** **CPWD, New Delhi**	**Executive Engineer** **Vigyan Bhawan Division** **CPWD, New Delhi**

List of approved Labs

As per CPWD Works Manual SOP No. 5/16 provided by OM No. DG/SOP-2024/07 dated 29.10.2024 and requirement of field units competent authority has approved following Laboratories in Government/Semi Government for ADG(Delhi) Region for testing of material used in construction.

(i) NSIC Technical Service Center (NTSC), Okhla, New Delhi.
(ii) Delhi Technological University (DTU), Delhi
(iii) Netaji Subhash University of Technology (NSUT), Delhi.
(iv) National Test House (NTH), Ghaziabad.
(v) Central Building Research Institute Roorkee.
(vi) National Institute of Technology (NIT), Delhi.

In view of above after 29.02.2025, no private Lab is empanelled under ADG (Delhi) Region. So to carry out testing of materials used for construction/maintenance works same shall be done through Govt. institutes/Govt. Laboratories / ADG (Delhi) approved lab only.

Executive Engineer
Vigyan Bhawan Division
CPWD, New Delhi

Special Conditions for cement

1.1. Cement required for the work shall be procured by the contractor.

1.2. The contractor shall procure, **43 grade** (conforming to IS: 8112) ordinary Portland cement / Portland Pozzolana Cement confirming to IS: 1489 (Part-I) as required in the work from reputed manufacturers of cement such as **ACC, L & T, Shri Cement, Birla, Ambuja and Cement Corporation of India** approved by Ministry of Industry, Government of India and holding license to use ISI certification mark for their product whose name shall be got approved from Engineer-in-charge. Supply of cement shall be taken in **50-kg bags** bearing manufacturer's name, or his registered trademarks if any and grade and type of cement as well as ISI marking. The packing of the cement bags shall be as per para No. 3.1.2.5 of CPWD Specifications 2019 Vol. I & II for cement mortar, cement concrete, RCC works.

1.3. Storage space for cement shall be provided by the department.

1.4. Sample of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case test result indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.

1.5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract.

1.6. The theoretical, consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. No payment for excess consumption of cement will be allowed. However, for consumption lesser beyond permissible theoretical variation recovery shall be made in accordance with conditions of contract at **Schedule A to F (CPWD-7)** without prejudice to action for acceptance of work/item at reduced rate or rejection as the case may be.

1.7. For non-schedule items, the decision of the Superintending Engineer regarding theoretical quantity of cement, which should have been actually used, shall be final and binding on the contractor.

1.8. Cement brought to site and remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

1.9. Contractor has to produce Manufacturer Test Certificate for each of lot of cement procured at site.

Senior Draftsman **Vigyan Bhawan Division** **CPWD, New Delhi**	**Assistant Engineer (P)** **Vigyan Bhawan Division** **CPWD, New Delhi**	**Executive Engineer** **Vigyan Bhawan Division** **CPWD, New Delhi**

SPECIAL CONDITIONS OF PAINT

1. Scrapping shall be shown to the Assistant Engineer and got approved and test checked by him, prior to application of priming and putty on surface.
2. The contractor shall have to remove all splashes after completing each day's work. In case the splashes are not removed by the contractor the same shall be got removed by the Engineer-in-charge at contractor's risk & cost.
3. Material of following make/brand shall be used by the contractor and sample shall be got approved from the Engineer-in-charge.
4.

(a) **Synthetic Enamel Paint**

	Name of the firm	**Brand Name**
(i)	Asian Paint	Apcolite Premium gloss Enamel
(ii)	Berger Paints	Luxol Hi – Gloss
(iii)	Kansai Nerolac Paint Ltd	Nerolac Synthetic Enamel high Gloss Finish
(iv)	ICI Paints	Dulux Gloss

(i) PremiumAcrylic Smooth Exterior with Silicone additives paint.

	Name of the firm	**Brand Name**
(i)	Asian Paint	Apex Ulitima
(ii)	Berger Paints	Weather coat smooth
(iii)	Kansai Nerolac Paint Ltd	Excel Total
(iv)	ICI Paints	Dulux Weather Shield

(b) **Acrylic Distemper 1st Quality having VOC (Volatile Organic Compound) content less than 50 gm / litre**

	Name of the firm	**Brand Name**
(i)	Asian Paint	Tractor Acrylic Distemper
(ii)	Berger Paints	Bison Acrylic Distemper
(iii)	ICI Paints	Maxolite
(iv)	Kansai Nerolac Paints	Nerolac Beauty Acrylic Distemper

(c) **Cement Primer (Interior)**

	Name of the firm	**Brand Name**
(i)	ICI Paints	Dulex Cement Primer
(ii)	Kansai Nerolac paint Ltd.	Nerolac Cement Primer
(iii)	Asian Paints	Deco Cement Primer
(iv)	Berger Paints	B.P cement Primer

(d) **Acrylic Smooth Exterior Paint**

	Name of the firm	**Brand Name**
(i)	Kansai Nerolac paint Ltd	Suraksha Plus Acrylic exterior emulsion
(ii)	Berger Paints	Bison Acrylic Emulsion
(iii)	Asian Paints	Apex Ultima Europa

(e) **Acrylic Emulsion paint Interior grade having VOC (Volatile organic Compound) less than 50gm/ltr**

	Name of the firm	**Brand Name**
(i)	Asian	Apeolite Premium Emulsion
(ii)	Berger	Rangoli Premium Acrylic Emulsion
(iii)	Nerolac	Beauty Gold Acrylic Emulsion
(iv)	ICI	Dulux Solitaire

(f) **Premium acrylic Emulsion paint Interior grade having VOC (Volatile organic Compound) less than50gm/ltr**

	Name of the firm	**Brand Name**
(i)	ICI	Velvet Touch
(ii)	Nerolac	Lotus Touch
(iii)	Asian Paint	Royal Aspira
(iv)	Berger	Silk Luxury emulsion

(g) **Cement Based Putty**

	Name of the firm	**Brand Name**
(i)	Birla	Birla Putty
(ii)	JK	JK Wall Putty

(h) **Interior Textured paint brand**

(i) Asian
(ii) Berger
(iii) Nerolac
(iv) ICI

Make/ Brand of any other material/ fitting not mentioned above shall also be got approved from Engineer-in-charge in advance before starting the work.

In case of material/fittings of make/brand other than mentioned above is to be used due to non-availability or any other reason permission will have to be obtained from Engineer-in-charge in writing.

The date of manufacturing and batch no. will be inscribed or printed on pack/containers by manufacturers are acceptable for all the above said materials. Fresh material shall be brought at site as far as possible and materials more than 30 Days old from the date of manufacturing will be rejected.

The contractor shall have to get the shades/brands of all types of paints, distempers, water proofing cement paint etc. Approved from the Engineer-in-charge before procurement of materials.

5. Nothing extra shall be paid for excess consumption of material in case of material arranged by the contractor. In case of less consumption of material than theoretical requirement, the payment shall be restricted for the area covered theoretically with the quantity actually consumed provided the quality of work is acceptable.
6. **100% quantity** of the material like paint, distemper, Plastic emulsion paint, water proofing cement paint shall be brought in sealed containers & deposited with JE in charge before start of the painting work.
7. All empty containers received after use of Paints, distemper etc. in the work shall be kept at site store till completion of the work and shall not be allowed to be removed without permission of the Engineer-in-charge.

Senior Draftsman	**Assistant Engineer (P)**	**Executive Engineer**
Vigyan Bhawan Division	**Vigyan Bhawan Division**	**Vigyan Bhawan Division**
CPWD, New Delhi	**CPWD, New Delhi**	**CPWD, New Delhi**

LIST OF FIELD TESTS

- Particle size and shape
- Slump test
- Flakiness & Elongation Index tests
- Compressive strength (concrete or bricks) test
- Bulking of sand
- Silt content of sand
- Temperature measuring with thermometer with brass protected end 0-200° C

FIELD TESTING EQUIPMENT AND INSTRUMENTS

A. (i) Electronic/digital weighing balance (1 no.):
(a) 7 kg to 10 kg capacity, semi-self-indicating type-Accuracy 10 gm.
(b) 500 gm capacity, semi-self-indicating type-Accuracy 1gm.
(ii) Cube Testing Machine (1 No.) along with 18 nos. ISImarked cube moulds
(iii) Sieves set as per IS 460-1962 & sieve shaker (1 no.)
(iv) Slump Cone (2 No.)
(v) Oven (1 no.)
(vi) Graduated Measuring Cylinder (2 no.)
(vii) Enamel trays (for efflorescence test for bricks)-1 Set
(viii). Ultrasonic Pulse Velocity Test Equipment For concrete (1 No.) as and when required.
(ix). Measuring Steel Tape 3m (2 Nos.) & 15m (2 Nos.) and Laser Distance Meter of 200 metre range with Bluetooth connectivity – 1 No.
(x). Core cutting Machine – 1 No.as & when required.
(xi). Other instruments (1 no. each): Vernier calliper's, screw gauge, plumb bob, spirit level minimum 30 cm long with 3 bubbles, wire gauge (Circular type) disc, steel foot rule, long nylon thread, magnifying glass, moisture meter.
(x) Water testing Kits – 01 No.

B. **Field Testing Instruments**

i) Steel tapes – 3 m
ii) Digital Vernier Callipers
iii) Digital Micrometre Screw 25 mm gauge
iv) A good quality plumb bob
v) Spirit level minimum 30 cms long with 3 bubbles for horizontal vertical
vi) Wire gauge (circular type) disc.
vii) Foot rule
viii) long nylon thread
ix) Pulse velocity meter
x) Magnifying glass
xi) Screw driver 30 cms long
xii) Ball pin hammer, 100 gms
xiii) Plastic bags for taking samples
xiv) Digital Distance meter
xv) Levelling machine

LIST OF PREFERED MAKE OF MATERIALS

Preferred/Brands names of materials approved by the **Architect/Engineer-in-Charge** are listed below. However, approved equivalent materials and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market, the same shall be subjected to approval of the alternate brand by the **Architect/Engineer-in-Charge**, (See also conditions of contract).

S.No.	Materials	Approved make
1.	OPC, PPC	ACC, Birla, Ultratech, Ambuja, Shri Cement
2.	White Cement	J.K. White, Birla White, Ultratech
3.	Reinforcement bars	TATA, SAIL, RINL, JSW, Jindal Panther.
4.	Structural Hollow Tubes/Pipes, Hot Finished Welded Tubes Seamless & ERW types tubes	TATA, SAIL, RINL, JSW, Apl Apollo
5.	Structural M.S. Section, I-Section, Channels, Angle, Tee & Flats etc.	TATA, SAIL, RINL, Jindal (Hissar).
6.	Stainless steel pipe and fittings	Jindal Stainless Steel Ltd., J-Press, Tata Steel, VSH.
7.	Aluminium Door, Window (Factory Made)	Fenesta Building Systems, Encraft India Pvt. Ltd., Beautex, Arcuzo Décor.
8.	Aluminium Section	Jindal, Hindalco, Indalco, Nalco.
9.	Aluminium Extruded Profiles	Hindalco, Jindal, Nalco.
10.	Anodised Aluminium Hardware (Heavy duty)	Jindal Aluminium, BALCO, NALCO, INDALKO, HINDALCO
11.	Aluminium Composite Panels	M/s Alutech Industries, Alucobond, ALPOLIC, Wonder Alu Board
12.	Block Board & Plywood, Veneer	Greenlam, Century Ply, Merino, Green Ply
13.	Flush Door shutters (Decorative/ Non Decorative) Factory made	Century ply board, Merino Greenply, Archid Ply
14.	Lamination sheet (Mica)	Greenlam, Marino, Century,
15.	Prelaminated HD Board (Fungus, Termite, Borer, Moisture Resistant.)	Action Tesa, Century, Archidpanel, Greenlam, Merino
16.	BWP-High density fibre board – Marine grade	Century, Marino, Green Ply
17.	Door/window MS Fittings	Ashish, Oxford, Garg, Adarsh
18.	Aluminium Fittings	Dorma, Godrej, Hettich, Hafele
19.	Door/window Brass Fittings	Dorma, Godrej, Hettich, Hafele
20.	Door/window SS Fittings	Dorma, Godrej, Hettich, Hafele
21.	Sliding door bolt	Dorma, Godrej, Hettich, Hafele
22.	Automatic sliding door system and Fittings	Ozone, Dorma, Godrej
23.	UPVC window/ doors	Fenesta, Saint-Gobain, Veka,
24.	Synthetic Enamel paint	Asian Paints (Apcolite Gloss), Berger (Luxol Hi-Gloss & Luxol Satin), ICI Dulux (Gloss), Nerolac Paint(Nerolac synthetic enamel high gloss ginish)
25.	Duco Paint	Asian Paints, Dulux, ICI Duco Paint
26.	Acrylic exterior paint	Asian Paints (Apex Ultima), ICI Dulux (Weather Shield Ultra clean), NEROLAC (Excel Top Guard), Berger (Weather Coat All Guard),
27.	Primer for interior	Asian (True Care), Nerolac (Premium Primer)
28.	Cement Primer	Asian Paint (Deco Cement Primer), Dulux (Dulex Cement Primer), Berger Paint(B.P. Cement Primer), Nerolac paint(Nerolac Cement primer)

29.	Premium Acrylic Smooth Exterior	Asian Paints (Apex Ultima Protek), Nerolac Excel Everlast,Berger paints(Weather coat smooth), ICI Paints (Dulux Weather shield)
30.	Acrylic emulsion paint	Asian (Apcolite All Protek/Royal), Berger (Silk Glamor), Dulux (Velvet Touch/Pearl Go)
31.	Premium Acrylic Emulsion	Asian Paints (Apcolite Premium Emulsion), Nerolac (Beauty Gold Washable),
32.	Water proofing cement paint	Super Snowcem, Asian Paints, Berger (Durocem)
33.	Acrylic distemper 1st quality	Asian Paints (Tractor), ICI Dulux (Maxolite), Nerolac(Beauty Gold),Berger paints(Bison)
34.	Texture Exterior Paint	Asian (Rustic Texture), Dulux (Weathershield Signature)
35.	POP	Snowcem Paint, Dulux, Asian Paints
36.	Cement Based Wall Putty	J.K. Cement, Birla white, Asian Paints
37.	Powder coating Paint	Asian Paints-PPG, ICI Paint
38.	Metallic Paint	Asian Paints (with Royale Play Metallics), Kansai Nerolac, Nippon Paint,
39.	Bituminous Paint	Makphalt, STP, Asian.
40.	Thermoplastic Road Marking Paint	Alcolite, Zigma Paints, Prime Roads, Asian Paints PPG.
41.	Steel Primer – Red oxide	Asian Paints, Nerolac, ICI Dulux, Birla Opus (Red Oxide Primer)
42.	Wood Primer	Asian Paints, Nippon Paint, Dulux, Birla Opus
43.	PE-AL-PE Pipes & Fittings (Plyethylene/ Aluminum/ Polyethylene)	Jindal, KiTEC Industries (India) Pvt. Ltd., supreme
44.	Mineral Fibre false ceiling	Armstrong, Gyptechor,Diamond Ceilings & Gyptech,Hunter Douglas, Hi-Steel, R K Ceiling
45.	Calcium Silicate False Ceiling System Along with supporting.	Aerolite, Armstrong, Hi-Steel, R K Ceiling, Diamond ceiling
46.	Baffle False Ceiling-Aluminum/G.I.	Armstrong, Hunter Douglas, Hi-Steel, Hunter Douglas
47.	Open cell steel ceiling	Armstrong, Durlum,Hunter Douglas,Aerolite Saint-Gobain,Gyptech
48.	FRP Cover	Thermodrain, Fibreone, HP, Fibre Light
49.	Melamine Polish	Asian Paints, Melamine Gold wudfin, Dulux, Pidilite, Birla Opus Allwood
50.	PU Polish	Asian Paints,ICI (Dulux / AkzoNobel) Taralac, Nerolac
51.	Furniture	Godrej, Rockworth, Durian, Steelcase.
52.	Rock Wool	ROCKWOOL Asia, Roxul Rockwool, Kanuf
53.	Toughened Glass	Saint-Gobain, Asahi,Modi Guard
54.	High Pressure Laminate (HPL)	Greenlam, Century, Archid Ply, Merino
55.	Sunglass Film for interior & Exterior	Saint-Gobain, Shibuza, 3M
56.	PVC Self adhesive decorative film	Reatec, Proton, Bodaq
57.	Glass fiber wall coverings	Saint-Gobain Classic, Novelio, Newmore, Nilaya
58.	Fiber Glass Ready made door shutter & frame.	Everdoor Composites, Fibreways Technology, Ashish Industries FRP.
59.	Glass Mosaic Tiles	Bisazza, Mridul, OPIO, Palladio, IT
60.	Waterproofing Compound (Crystalline)	Kryton, Penetron, MYK, Arment, Velosit, STP Ltd.
61.	Tactile	Somany, Kajaria, Orient Bell, Johnson, Asian(Agl)
62.	HDPE Pipes & Fittings	Supreme, Aashirvad, Oriplast
63.	PU Based Elastomeric Water Proofing Material	Fosroc (Brassbond roof guard), Sikka (Sikalastic-562 IN),

64.	Water Proofing Primer	Fosroc (Nitoproof WB Primer), Sikka (Sikalastic-11 Primer W)
65.	Terrazzo Tiles (Precast), Plain, Chequerred.	Nitco, Hindustan, Modern, Ultra, Unistone
66.	Glazed Vitrified Tiles, Double Charge tile, Polished tile.	Kajaria, Somany, RAK, Orient bell
67.	Cement Concrete Tiles, Hardonite Tiles	Nitco, NTC, Hindustan, KK, Dalal, Unistone
68.	Glazed Ceramic tiles	Somany, Kajaria, Rak, Orient bell
69.	C.C. Pavers	Nitco-(Rockard), K.K., Dalal
70.	Interlocking Paver Block, Grass Paver, Precast CC Slab, Kerbstone, Kerb channel.	K.K., Nitco & Dalal tiles Ind.
71.	G.I. Metallic Tiles of False Ceiling, Gypsum board alongwith frame, GRG tile along with frame.	Armstrong, Gyptechor,Diamond Ceilings & Gyptech,Hunter Douglas, Hi-Steel, R K Ceiling
72.	G.I. Pipes	Tata, Jindal (Hissar), Apl Apollo
73.	G.I. Fittings (Malleable Cast Iron)	UNIK, Sury, KS
74.	C.P. Brass Fittings	Jaquar, Roca, Kohler, Marc,
75.	UPVC Pipe/CPVC Pipes	Supreme, Prince, Finolex, Astral, Apollo Pipes
76.	PVC/ Synthetic Water Tank/ Loft Tank	Sintex, Sheetal, Tirupati, Apl Apollo
77.	PTMT Fittings	Prayag, Shakti, Polytuf
78.	Gunmetal Valves	Leader, Sant, Zoloto
79.	Ball Valves	Zoloto, IBP, Leader, SANT
80.	Butterfly Valves	Audco, Zoloto, SANT
81.	Self Closing Pillar Taps (Pressmatic)	Jaquar, Roca, Kohler
82.	Fully Hygiene hand dryer	Jaquar, Roca, Kohler, Electrolux
83.	SMC (Sheet Moulded Compound Panel Tank)	Sintex, Amitex, Sovisy,poly plast
84.	Centrifugal Cast Iron LA pipes	Electro Steel, Klinga, Jai Balaji,RIF
85.	Ductile Iron pipe (DI Pipe)	Jindal, Electro Steel, Tata
86.	Sanitary Fixture (Chinaware)	Jaquar, Roca, Kohler, Hindware
87.	Soil, Waste & Vents Pipes & Fittings	NECO, RIF, SKF
88.	Stone Ware Pipe & Gully Traps	Perfect, Parry, Hind, HDP
89.	RCC Pipes-(NP-2)	Lakshmi, Sood & Sood Jain & Co., Jain & Co.
90.	C.I. Double Flanged Sluice Valves	Kirloskar, Sant, Zoloto
91.	C.I Double Flanged Non Return Valves	Kirloskar, Sant, Zoloto
92.	C.I. Double Covers with Frame	Neco, RIF, SKF, Electro Steel
93.	DI (Ductile Iron) Manhole cover & grating	NECO, RBAC, Plazma,
94.	Stainless Steel Sinks	Nilkanth, Cobra, Jayana,
95.	Steel Fibre Reinforced Concrete, Manhole covers with frame	K.K. Manholes, Nitco & Dalal
96.	Hubless Centrifugally Cast (Spun) Iron Pipes & Fittings	Neco, Hepco, SKF
97.	Admixture	Forsroc, Sika, Makphalt
98.	Tile Adhesive	Ferrous Crete(Ferro-1122), Ardex Endura (Gold Star), PIDILITE (Fevimate XL), WEABR(Saint-Gobin) Sika, Thermoshield, Somany
99.	Adhesive Tape, Antiskid Tapes	Norton, 3M Tapes
100.	APP	Apex, M/s IWL India Limited, Asian Paints
101.	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum.
102.	Bevelled Edge Mirror	Saint-Gobain, Modiguard, AIS,Atul
103.	Damp Proof Material	Pidilite Dr. Fixit, Sika, MYK, Fosroc
104.	Dash Fasteners	Hilti, Ficher, Canon, Howorth
105.	Glass Door Closer Lock/fittings	Dorma, Hardwyn, Hafele, Becker FS
106.	Drapery Rod, Venetian Blinds	Mac, Vista, Deck.

107.	Roller Blinds	Vista, Hunter Dougus, Deck.
108.	Epoxy Mortar	Fosroc, MYK, Sika
109.	Welding Electrodes	ADVANI-OERLIKON, MODI, TATA
110.	Friction Stay Hinges	Hafele, Hettich, Dorma.
111.	Grass Paver	Unistone, Ultra, Shree, Dalal
112.	Hydraulic Door Closer/ Floor Spring	Godrej, Dorma, Hafele, Hettich,GEZE
113.	Injection Grouting	Pidilite, Fosroc, Sika, MKY
114.	Locks, Mortice lock, Latch, Cupboard	Dorma, Hettich, Hafele, Geze
115.	MS Pipe	Tata, Jindal (Hissar), Apl Apollo
116.	Nuts, Bolts and Screws Steel	Kundan, Priya, Atul
117.	Non-Metalic Surface Hardner	MC Deritop F.H. Armstrong, NITOFLOR, Fosroc
118.	Poly-Sulphide Sealent	Pidilite, Choksey, Makphalt
119.	Polyster Powder Coating Shades	Nerolac, J&N, Asian Paints
120.	Rolling shutters	Rama Rolling Shutters, Jyoti Rolling Shutters, Anand Industries.
121.	Fire Sealant/ Fire Smoke Seal	HILTI, 3M INDIA, Fischer
122.	Moisture Resistant HDF/MDF Board	Action Tesa, Greenpanel, Century, Greenply
123.	Cement Fibre Board	Lafarge, Century, NCPL, Everest
124.	Metal / Glazed- Fire rated Door System	Shakti-Hormann, Signum fire, promat, shukuriti.
125.	Structural Silicone/weather silicone	Dow Corning, Wacker.
126.	Spider Fittings	Dorma, Sevax.
127.	Tempered Glass	Modi Guard, Saint-Gobain,ASI, Glaverbel
128.	Laminated glass sheet	Saint-Gobain,Asahi India Glass (AIS), ModiGuard
129.	SGU/DGU	Saint-Gobain,Asahi India Glass (AIS) Modi Guard
130.	Clay Tiles on Roof	Kenzai, Johnson.
131.	Water Proofing Compound	Fosroc, Pidilite, MYK, Birla Opus Prime
132.	S.S. Wire mesh	Sterling Enterprises, Trimurty Welded Mesh, Tiger Brand, Grand Metal Corporation
133.	Polycarbonate Sheet	GE LEXAN, Danpalon, Gallina, DPI System, MPP, Bayer, Macrolux
134.	Glass Film for interior & Exterior	3M, Shibuza, Saint-Gobain
135.	FRP Door & Chajja	Rajshree, Fiber Engineer, Fiber Techno Products.
136.	Anti-termite chemicals- Chloropyriphos	Srchloro 20 TC, Vadh, Durban-20, Piramid-20
137.	RMC	ULTRATECH(Birla) , ACC, LAFARGE
138.	Modular Kitchen accessories (Basket, Handle, Hinges, Telescopic channels etc.)	Stallion, Hettich, Hafele, GEZE
139.	G.I. Profile sheet of all patterns	SAIL, Tata & Jindal (Hisar), Apl Apollo (Roof tuff, Coral), Bhushan
140.	APP water proofing Treatment	Fosroc, Pidilite, Makphalt, Sika, Velosit
141.	PVC door frames & shutters	Sintex, Rajshri Plastiwood, Finolex Plastics
142.	Anti-corrosive epoxy coating	FOSROC, Sikka, Pidilite
143.	Float Glass	Saint-Gobain, Modi Guard, Ashai India
144.	Reinforcement cleaning agents	FOSROC, Sikka, Armstrong Chemicals Private Limited
145.	Non-re-emulsifying latex bonding	NITOBOND, FOSROC, Sikka Latex,
146.	Frosted decorative sparkle film	LLUMAR, 3M
147.	Glazed GRC Tiles	Unistone, Nitco, Hindustan Tiles
148.	Silicon Sealant	Pidilite, Forsoc, Mcoy
149.	Fibre Glass sheet	Koemmerling, Greenply
150.	Wood Plastic Composite Board	Alstone, Century, Aluplast
151.	Hybrid Poly urea / Elastomeric water proofing material	Fosroc, Pidilite, Sika,

152.	Elastomeric Acrylic UV resistant liquid applied coating	Pidilite, Sika, Fosroc,
153.	Gypsum Plaster	Ultratech, Ferrouscrete, Sakarni, Berg ER, JK Plasto MAX, Elite (90) of Gyprock
154.	Cement based Ready Mix Plaster	MYK Arment, Birla Aerocon, Ultratech, Ramco, Laticrete
155.	Pre-Cast GRC Jali	Birla GRC, Unistone, Dalal
156.	Stainless Steel	JSW, SAIL, TATA Steel, JSPL
157.	Curing Compound	Sika, Pidilite, Fosroc, BASF, MYK Arment
158.	Aluminium Structural Members – Windows, Glazing and Partitions	Jindal Aluminium, BALCO, NALCO, INDALKO, HINDALCO
159.	Tile Grout	MYK Laticrete, Pidilite, BASF, Ferrouscrete
160.	Fire Check Door, Fire Rated Sliding Door, Fire Rated Rolling Shutters, Sliding Door, Folding Door, Hanger Door, High Speed Door, Sectional Doors	Sakti Horman, Promat, Signum, Sukirti
161.	Hardware for Fire Check Door/Panic Bar/Panic trim/door closer / hinges / mortice lock /Dead Lock, Handle etc.	Dormakaba, Geze, Hormann, Briton, Becker FS
162.	Gypsum Board	Saint Gobain,USG,Armstrong
163.	Cement Board	Everest, Bison
164.	Smoke Seal Strip	HILTI, 3M INDIA, Fischer
165.	EPDM Gasket	Hanu, Anand, Lescuyer
166.	Fireclay Sinks & Drain Boards	Parry, Sunfire
167.	Copper Tubes/Pipes	Rajco, Max Flow ABC
168.	Copper Fittings	Yorkshine, IBP, Bconex
169.	Unglazed Vitrified Tiles	Johnson – (Endura), Somany – (Dura Stone), Regency – (Tiles)
170.	Hot Water Insulation	Glass Wool/ Mineral Wool
171.	Elastomeric Sleeve	Up Twiga / Rocklloyd
172.	HDPE PN-6, PE-80, HDPE	Dure-line, Supreme, Vikas - “Tijaria”, MAKPHALT
173.	Electric Resistance Welded (ERW) Pipes Slotted/Blind for Tube well	Jindal, SAIL ,TATA ,WELLSPUN
174.	Sodium Hypochlorite solution	Diversy, SDLE and Combigen
175.	WPC/PVC Sheet Window/Door shutters & frame, Board, Jali	Rehau, Veka and Fenesta, Rajshri Plastiwood,
176.	Texture Decorative Paint	OIKOS/SKK/Armourcoat
177.	Laquered Glass	Modi, Sant Gobain, Asahi, Glaverbel
178.	Hard wood flooring	Juncker, Vitofloor, Parador, Pergo
179.	Wooden Laminate Flooring	Vista, Juncker, Vitofloor, Pergo
180.	Nylon Carpet Tiles/Rolls	Forbo Flotex, Bentlly carpet, Modulyss carpet
181.	Micro Concrete	FOSROC, ULTRATECH,cico,pidilite
182.	Carbon wrapping products for structural repair	HEXACURE, FOSROC, ASIAN PAINT, Dr. FIXIT
183.	Acoustical Wall Panelling/ceiling	Anutone Acoustics,,Knauf / Knauf Danoline Saint-Gobain (Gyproc / Ecophon), Himalayan Acoustics , Armstrong,Gyptechor
184.	Motorized Gates, Dock Leveler, Dock Shelter	Avians, Gandhi Automations Pvt. Ltd., Shakti Hörmann, Crawford, Technocrat
185.	Boom Barriers, Swing Barriers, Flap Barriers	eSSL Security, Secureye,Houston Systems Acronix, Sivananda Electronics,Godrej Security Solutions

186.	Tripod Turnstiles, Full Height Turnstiles	Avians, Dormakaba,Magnetic Autocontrol (Magnetic),Godrej (Godrej Security Solutions) Perto
187.	Bollard, Tyre Killer	AVIANS/SWARAJ/SADITYA/TECHNOCRATS/ EURONICS/ NEPTUNE/ BROSIS
188.	Polyurethane (PU) Resin and FOAM	SIKA, Dr. Fixit, FOSROC
189.	Polyurethane Elastomeric Coating & Water proofing	SIKA, Dr. Fixit, FOSROC
190.	Epoxy Cement Hybrid flooring	SIKA Floor EPOCEM, FOSROC (Nitrofloor), Floorkrete (Floorcem)
191.	Combi flex Tape	SIKA, Dr. Fixit, Pidilite
192.	Epoxy Sealant & Adhesive	SIKA, Dr. Fixit, Pidilite
193.	Sandwich PUF panelled roofing sheet	Jindal Mectec, Lloyd insulation,Super Disco Ispat Pvt.Ltd/Platrone India
194.	Hermitically Sealed performance Glass & Toughened Glass	Saint Gobin,Asshi,Pilington
195.	CORIAN	Dupoint / Hanex / LG / Rehau
196.	Mineral Silicate Paint	KEIM Mineral Paint, Leions Natural Paint, Rommers India
197.	Silicate Primer	KEIM Mineral Paint, Leions Natural Paint, Rommers India

Note:- Contractor has to bring samples as per above preferred brands only and Engineer in Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.

Executive Engineer
Vigyan Bhawan Division
CPWD, New Delhi

न्यूनतम रू० 100/– के गैर न्यायिक स्टाम्प पेपर पर

On on-judicial stamp paper of minimum Rs.100

अनुबन्धों के निष्पादन के संबन्ध में बैंक द्वारा कें०लो०नि०वि० को दी गई गारंटी

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

बयाना राशि जमा/प्रदर्शन गारंटी/सुरक्षा जमा/मोबिलाइजेशन अग्रिम के लिए बैंक गारंटी फार्म

Form of Bank Guarantee for Earnest Money Deposit /Performance Guarantee/Security Deposit/Mobilization Advance

1. Whereas the Executive Engineer …… (name of division) ……..., CPWD on behalf of the President of India (hereinafter called "The Government")has invited bids under ……(NIT number)……. dated …… for …… (name of work) …… The Government has further agreed to accept irrevocable Bank Guarantee for Rs. ……..……. (Rupees …… only) valid upto …… (date)*…… as Earnest Money Deposit from ……. (name and address of contractor) ……..(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

   OR

   Whereas the Executive Engineer …….. (name of division) ……., CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number ……..... with ……..... (name and address of the contractor) …….. (hereinafter called "the Contractor") for execution of work …… (Name of work) ……... The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. ……..……. (Rupees …… only) valid upto …….. (date)..…… as Performance Guarantee/Security Deposit/Mobilization Advance from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.
2. We, …… (indicate the name of the bank) ……. (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. …….. (Rupees……. only) on demand by the Government within 10 days of the demand.
3. We, ……(indicate the name of the Bank) ……, do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. …….. (Rupees …….only)
4. We, …… (indicate the name of the Bank) ……, further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We, …… (indicate the name of the Bank) ……, further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. We, …… (indicate the name of the Bank) ……., further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We, ……. (indicate the name of the Bank) ……., undertake not to revoke this guarantee except with the consent of the Government in writing.

9. This Bank Guarantee shall be valid up to ……. unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. …… (Rupees …….. only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date .....
Witnesses:
1. Signature……
Name and address

2. Signature …….
Name and address

Authorized signatory
Name
Designation
Staff code no.
Bank seal

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

SCHEDULE OF QUANTITY

Name of Work: **Making arrangements for Republic Day Celebration - 2027. (SH:- Providing & fixing of FRP Grating Panels for the VVIP Car Parking in lawn near the Presidential Dais).**

S.No	Description of Item	Qty.	Unit	Rate	Amount
1	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	12910.00	kg	133.70	1726067.00
2	Providing and fixing bolts including nuts and washers complete. (**Note:** This item for frame work of structural steel.	290.00	kg	159.35	46212.00
3	Providing and fixing Factory-made heavy duty Fiber Reinforced Plastic (FRP) Grating Panels of size 2.44 m x 1.22 m and total thickness 40 mm, featuring a square mesh grid profile of 38 mm x 38 mm with continuous fins / bar thickness of 7 mm with open area approx. 68%, weight shall not be less than 19.5 kg/sqm, load carrying capacity shall not be less than 1 MT (UDL) per sqm. The grating panel shall be manufactured using an industrial molded process with premium grade UV-stabilized, fire-retardant isopthalic / vinyl ester resin composite formulation matrix heavily reinforced with continuous multi-directional fiberglass strands. The top surface must be provided with an embedded anti-skid quartz grit or concave wear surface layer suitable for traction and parking of light vehicles. The panel must have bidirectional structural load-bearing capacity designed to safely sustain wheel loads of light motor vehicles. Work shall include mechanical cutting, sizing, tailoring, laying, and aligning over the grass parking turf bed/perimeter frames, including supplying and anchoring heavy-duty SS-316 specialized 'L-type' hold-down clips, fasteners, bolts, and rubber gaskets/spacers to eliminate rattling and firmly secure the panel configuration down to the structural framing underneath, complete with all leads, lifts, waste, and machinery as directed by the Engineer-in-Charge. Nothing extra shall be paid. **Note:-** Steel base frame work shall be paid separately.	1465.00	Sqm	3679.45	5390394.00

4	Labour rate for dissembling, loading, unloading and cartage of FRP Grating with frames from Kartavya Path to CPWD Store within 20 km distance from Kartavya Path and stacking them in proper manner at CPWD Store after completion of Republic Day Function 2027 as per direction of Engineer-in-Charge.	490.00	Each FRP Grating	115.80	56742.00
5	Credit back of old MS decking sheet	57096.00	kg	-40.00	-2283840.00
	TOTAL				**4935575.00**
	Add multiplying factor 0.0122 for GST i/c 4.03% Cost Index on DSR Items No. 1 to 2 i.e. on Rs.1772279/-				21622.00
	Total				**4957197.00**

Note: The rate of item no. 5 shall be effective in the bills of contractors at the rate quoted by the contractor or rate mentioned in the NIT, whichever is higher. For example, if a contractor quotes 10% below, then his rate for item no. 5 shall be Rs. 40/kg. If a contractor quotes 10% above, then his rate for item no. 5 shall be Rs.44/kg respectively.

Conditions:-

1. All necessary recoveries shall be recovered from the contractor's gross amount of the bill as per prevailing rules.
2. Contractor must see the site before quoting his rates.
3. The work shall be executed in highly secured Zone Area and nothing extra shall be paid on this account. All necessary arrangement has to be made by the contractor to get the passes/ I card from Security if required.
4. **As the work is of outmost importance, requirement of extra item may arise during the execution of work as per the need of client department. Agency will be bound to execute any such requirements as per the general condition of contract.**
5. Special Care shall be taken during execution of work to avoid any damage to irrigation network provided in the Lawns and granite laid over footpath.
6. **The work is of national importance and must be completed in time. In case of any lapse in work, the agency will be processed for black listing.**
7. The Agency shall submit the detailed design, along with complete technical data sheets, manufacturer's name, material specifications, structural design calculations, load-bearing capacity details and relevant test certificates of the proposed FRP grating panels, to the Engineer-in-Charge for approval within 3 days of Start of the work. No material shall be procured or installed without prior approval of the Engineer-in-Charge. Nothing Extra shall be paid.
8. After approval of the design, technical specifications and manufacturer by the Engineer-in-Charge, the Agency shall prepare and install a sample panel at the site within 9 days from the commencement of the work for inspection and approval of the Engineer-in-Charge. The sample shall include the FRP grating panel along with all proposed fixing arrangements, including hold-down clips, fasteners, bolts, nuts and rubber gaskets/spacers, to demonstrate the complete installation methodology and workmanship. Bulk procurement and installation of the FRP grating panels shall be undertaken only after approval of the sample by the Engineer-in-Charge. No material shall be procured or installed without prior approval of the Engineer-in-Charge.
9. In the event of failure on the part of the Agency to adhere to the stipulated timelines for submission of the design, approval of the manufacturer, preparation and installation of the sample panel, or completion of the work, a recovery of ₹75,000/- (Rupees Seventy-Five Thousand only) per day shall be made from the running/final bills of the Agency for each day of delay attributable to the Agency. The stipulated timelines shall be strictly adhered to, considering the national importance and time-bound nature of the work. The recovery shall be without prejudice to any other action permissible under the provisions of the Agreement.

Senior Draftsman **Vigyan Bhawan Division** **CPWD, New Delhi**	**Assistant Engineer (P)** **Vigyan Bhawan Division** **CPWD, New Delhi**	**Executive Engineer** **Vigyan Bhawan Division** **CPWD, New Delhi**